

19990129.qrp v01_n351.qrl.990129

Date: Fri, 29 Jan 1999 19:03:18 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1351

QRP-L Digest 1351

Topics covered in this issue include:

- 1) [31279] JOTA
by dave.g0dja@psilink.co.uk (David J. Ackrill)
- 2) [31280] Re bench signal generator
by "Mike Czuhajewski" <wa8mcq@erols.com>
- 3) [31281] Re filter testing
by "Mike Czuhajewski" <wa8mcq@erols.com>
- 4) [31282] Re: ProtoLab (free demo...)
by Bruce Muscolino <w6toy@erols.com>
- 5) [31283] FS items
by "Thaire Bryant" <tbry37@ici.net>
- 6) [31284] Re: Informal Survey
by S LYON <sslyon@worldnet.att.net>
- 7) [31285] NC20 arrived
by Bill Wetherill <n2wg@wilmington.net>
- 8) [31286] FS QRP
by Bill Wetherill <n2wg@wilmington.net>
- 9) [31287] Indoor Antennas
by Thom Durfee <tdurfee@usxchange.net>
- 10) [31288] Re: IC-730 ALC idea
by Ed Loranger <we6w@qsl.net>
- 11) [31289] New QRP Rig? PatCom PC-9000.
by "Vincent Ferme" <vferme@sprint.ca>
- 12) [31290] PSK v1.04 software released.
by "Vincent Ferme" <vferme@sprint.ca>
- 13) [31291] norcal 20 shipment
by "Larry H. Lyda" <wa4pjp@volstate.net>
- 14) [31292] Milliwatts to South America
by Jim <kj5tf@madisoncounty.net>
- 15) [31293] OHR Explorer II's sold
by "Karl Heimbach" <heimbach@concentric.net>
- 16) [31294] Re: When is next QRP to the Field????
by crc <crc@io.com>
- 17) [31295] RE: [Fwd: Radio gear on WWII Subs:]
by "Mike Rioux" <mike@rioux.org>
- 18) [31296] Re: NC20 Missing Parts Procedure
by J38AL@aol.com
- 19) [31297] Re: Two Englishmen in New York

- by S LYON <sslyon@worldnet.att.net>
- 20) [31298] PSK31 "roundtable" mode
by John R Kirby <n3aaz-qrp@juno.com>
- 21) [31299] Re; Informal Survey
by "Roger A. McCarty" <rmccarty@earthlink.net>
- 22) [31300] Re: Indoor Antennas
by W5TB <w5tb@SoftHome.net>
- 23) [31301] Discounts on Kits, suppliers need
by "rohre" <rohre@arlut.utexas.edu>
- 24) [31302] Re: Vernier binding, shaft misalignment, flex coupling
by Nick & Susan Caruso <nzc@mediaone.net>
- 25) [31303] Re: When is next QRP to the Field????
by Joe Gervais <vole@primenet.com>
- 26) [31304] Re: Indoor Antennas
by Jeff Johns <jeffj@scott.net>
- 27) [31305] Q on PSK31
by PGSPersEng@aol.com
- 28) [31306] Re: Indoor Antennas
by Edson Pereira <edson@sylvia.harvard.edu>
- 29) [31307] Chosen one
by "Steve Sorrell" <ap036@detroit.freenet.org>
- 30) [31308] re: winding cores
by Fran Flynn <fflynn@together.net>
- 31) [31309] RE: Indoor Antennas
by "Paul Norman Craig, Jr." <n3ysi@easy-pages.com>
- 32) [31310] FOX WS4S
by Tom Palmer <n1tp@worldnet.att.net>
- 33) [31311] Re: FS: Wilderness Sierra
by mwattcpa@earthlink.net (Marty Watt)
- 34) [31312] FOX: The Fox and the Hail Mary
by Joe Gervais <vole@primenet.com>
- 35) [31313] WANT: Icom IC-201 manual
by "Caitlyn M. Martin" <cait.martin@ibm.net>
- 36) [31314] Doug comes to the Fort:LONG
by Jay Bromley <w5jay@alltel.net>
- 37) [31315] Strange quiet
by Bradley L Mugleston <kb0rol@juno.com>
- 38) [31316] Re: Chosen one
by James Skalski <jskalski@buffnet.net>
- 39) [31317] silly question
by Scott Howell <whowell@hq.nasa.gov>
- 40) [31318] PSK31 How sweet it is (Non Creative labs card part 3)
by Patrick M Kvitkauskas <pmk@juno.com>
- 41) [31319] Skinny old barel-there fox bagged in CO
by "Marshall Emm" <mgemm@ntechnologies.com>
- 42) [31320] The Heroes of Ham Radio
by N7YA@aol.com
- 43) [31321] Re: silly question

by Jeff <jeffj@scott.net>
44) [31322] Re: [Re: 13 wpm code exam]]
by Roy Lincoln <wa4dou@usa.net>
45) [31323] ALC Circuit an EXTREME SUCCESS!!
by Ed Loranger <we6w@juno.com>
46) [31324] General Motors and CW
by Jeff Johns <jeffj@scott.net>
47) [31325] Re: silly question
by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
48) [31326] ALC Successes and what not.
by Ed Loranger <we6w@juno.com>
49) [31327] Ft. Smith, AR Hamfest
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
50) [31328] Fw: Two K2 Kits sighted in El Dorado County, CA
by "BobWhite" <BobWhite@innercite.com>
51) [31329] FireBall 40
by malman@world.std.com (joel malman)
52) [31330] U.P.S WARNING
by RangerSF5@aol.com
53) [31331] Re: ALC Circuit an EXTREME SUCCESS!!
by Bruce Muscolino <w6toy@erols.com>
54) [31332] Re: Fw: Two K2 Kits sighted in El Dorado County, CA
by Chris Cartwright <ccart@dns.vidtel.com>
55) [31333] Iowa QRP Club Net
by "John Burnley" <burnley-ia@worldnet.att.net>
56) [31334] Re: Chosen one
by Chris Trask <ctrask@primenet.com>
57) [31335] re:Spice-y Oscillators
by David Shalita <af389@lafn.org>
58) [31336] Novelty QRP Contest Web Page
by "Ron Polityka" <wb3aal@talon.net>
59) [31337] Re: ALC Circuit an EXTREME SUCCESS!!
by applitech@mcg.net (Claton Cadmus)
60) [31338] UPS
by bkobie@webtv.net (patrick obrien)
61) [31339] Re: Spice-y Oscillators
by Bruce Kizerian <kizerian@ced.utah.edu>
62) [31340] Re: FireBall 40
by "Jim Francoeur KC1FB" <jrfrancoeur@snet.net>
63) [31341] Fw: U.P.S WARNING
by "Ken & Linda Burrough" <ne0c@1st.net>
64) [31342] Re: silly question
by K0RWC <rwc@frii.com>
65) [31343] [31172] off topic - WTB Microsoft Office '95
by John Scott <kk5vh@yahoo.com>
66) [31344] Re: UPS
by James Skalski <jskalski@buffnet.net>
67) [31345] easy & inexpensive DX QSLS

by W5TB <w5tb@SoftHome.net>

68) [31346] UPS
by "Richard Brummer" <obvious@bestweb.net>

69) [31347] Re: UPS
by "cdd" <cdd@bellatlantic.net>

70) [31348] PSK31 Soundcards and Roundtable
by applitech@mcg.net (Claton Cadmus)

71) [31349] Re: Wanted Older Modem
by applitech@mcg.net (Claton Cadmus)

72) [31350] Re: Indoor Antennas
by "Christopher Brewster" <brewsq@excite.com>

73) [31351] Re: Indoor Antennas
by Michael Tracy <mtracy@arrl.org>

74) [31352] Seeking Quality Recognition Program Award Nominations
by W2my@aol.com

75) [31353] Re: FYBO Multi-Op Question
by Joe Gervais <vole@primenet.com>

76) [31354] Semi-QRP: low current use
by "Christopher Brewster" <brewsq@excite.com>

77) [31355] RE: UPS
by "Roger A. McCarty" <rmccarty@earthlink.net>

78) [31356] Re: Bench RF signal generator--when?
by "Benjamin F. Poinsett" <benmail@erols.com>

79) [31357] Learning Code: was Kits for New Hams, my thoughts
by "J. W. (Dub) Thornton" <dub@oklahoma.net>

80) [31358] Hey new lower price! - FS: MFJ-9030 30M CW Rig
by "Kevin F. Glynn" <kfglynn@prodigy.net>

81) [31359] 160 meter contest this weekend!
by Greg Weinfurtner <weinfurt@oak.cats.ohiou.edu>

82) [31360] Dayton Hamvention 1999 Rooms
by Hank Kohl K8DD <k8dd@contesting.com> (by way of Hank Kohl K8DD
<k8dd@contesting.com>)

83) [31361] MI QRP Club First Sat. Breakfast Meeting
by Hank Kohl K8DD <k8dd@contesting.com>

84) [31362] re:Spice-y Oscillators
by Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>

85) [31363] Low Quiescent Current 8v Regulator?
by wgabriel@dukeengineering.com

86) [31364] Am I a brilliant programmer, or what?
by Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>

87) [31365] Re: norcal 20 shipment
by "Michael A. Gipe" <mgipe@reliablemeters.com>

88) [31366] FOX: Silent fox, slippery fox!
by DNT1@daimlerchrysler.com

89) [31367] FOX: report
by "Edward A Kwik jr" <eakwikjr@hti.com>

90) [31368] Learning code comments by Chuck and Dub
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)

- 91) [31369] table of rigs vs battery consumption, etc.
by John Evans - N0HJ <jaejans@codenet.net>
- 92) [31370] Re: ALC Circuit an EXTREME SUCCESS!!
by Ed Loranger <we6w@juno.com>
- 93) [31371] loaner rigs: update
by Dave Ek <ekdave@earthlink.net>
- 94) [31372] Re: FYBO Question
by Chris Cartwright <ccart@dns.vidtel.com>
- 95) [31373] Re: Learning Code: was Kits for New Hams, my thoughts
by Ron Stark <ku7y@dri.edu>
- 96) [31374] Reminder for the FEBRUARY SPARTAN SPRINT
by "Russ Carpenter" <russ@natworld.com>
- 97) [31375] PSK31... IT WORKED... IT RALLY DID
by hamjoel@juno.com
- 98) [31376] Re: UPS
by alfa33@scn.org
- 99) [31377] Re: PSK31 How sweet it is (Non Creative labs card part 3)
by Jim Lyons <lyons@canada.com>
- 100) [31378] Re: FireBall 40
by Norm Melick <henmel@worldnet.att.net>
- 101) [31379] Re: Am I a brilliant programmer, or what?
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 102) [31380] Re: Learning code comments by Chuck and Dub
by Steve Kubisch <WW7Y@sisna.com>
- 103) [31381] Re: Am I a brilliant programmer, or what?
by "Samuel A. Falvo II" <kc5tja@dolphin.openprojects.net>
- 104) [31382] QRP Quarterly on the streets
by "Mike Czuhajewski" <wa8mcq@erols.com>
- 105) [31383] Replacing ZM-1 tuning cap
by The Boices <boice@bigfoot.com>
- 106) [31384] Re: Learning Code: was Kits for New Hams, my thoughts
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 107) [31385] Re: Learning Morse
by Bruce Kizerian <kizerian@ced.utah.edu>
- 108) [31386] ALC Circuit improvements.
by Ed Loranger <we6w@qsl.net>
- 109) [31387] Various issues
by Brett Gazdzinski <Brett.Gazdzinski@mci.com>
- 110) [31388] Re: Replacing ZM-1 tuning cap
by The Boices <boice@bigfoot.com>
- 111) [31389] Re: Learning Morse
by Bruce Kizerian <kizerian@ced.utah.edu>
- 112) [31390] Re: The Heroes of Ham Radio
by "Marshall Emm" <mgemm@mtechnologies.com>
- 113) [31391] Re: FYBO Question
by Joe Gervais <vole@primenet.com>
- 114) [31392] Re: Replacing ZM-1 tuning cap (INFO...)
by "Radman" <radman@best.com>

- 115) [31393] Re: Learning Code: was Kits for New Hams, my thoughts
by jeverhar@cse.l-3com.com
- 116) [31394] K2 arrives in GA!!!
by "Ed Tanton" <n4xy@mindspring.com>
- 117) [31395] Re:emtech url
by Brett Gazdzinski <Brett.Gazdzinski@mci.com>
- 118) [31396] Re: fast code
by Ron Stark <ku7y@dri.edu>
- 119) [31397] FOX: One for Two This Week
by Nick Franco <franco@bnl.gov>
- 120) [31398] ALC Parts.
by Ed Loranger <we6w@qsl.net>
- 121) [31399] 40m ...seek help?
by "Steve/n0tu" <n0tu@webaccess.net>
- 122) [31400] Re: Various issues
by Roger Hightower <n7kt@earthlink.net>
- 123) [31401] NVIS practice Sunday, epicenter: OKC
by Jim Glover <psykey@okcforum.org>
- 124) [31402] Re: U.P.S WARNING
by af852@rgfn.epcc.edu
- 125) [31403] WOWSERS
by Walt Amos <waltk8cv@surfree.com>
- 126) [31404] Kits'n such
by notajock@juno.com
- 127) [31405] Re: Various issues
by Robert Parks <rob3ert@vegas.infi.net>
- 128) [31406] background noise
by ac5ez@webtv.net (Larry B)
- 129) [31407] A Milestone: The ARS 500
by Richard Fisher <ki6sn@yahoo.com>
- 130) [31408] Re: FYBO...SSB??
by Joe Gervais <vole@primenet.com>
- 131) [31409] Re: Learning Morse
by "Larry H. Lyda" <wa4pjp@volstate.net>
- 132) [31410] FOX: Team scores (fwd)
by Bruce Rattray <rattray@gpfn.sk.ca>
- 133) [31411] TenTec Argosy II (525) for sale
by "Mike Czuhajewski" <wa8mcq@erols.com>

Date: Thu, 28 Jan 1999 22:57:02 -0800
From: dave.g0dja@psilink.co.uk (David J. Ackrill)
To: qrp-l@lehigh.edu
Subject: [31279] JOTA
Message-ID: <E1060LY-0006pN-00@relay2.mail.uk.psi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi all,

Hopefully this will get through, now that I've resubscribed via a different ISP and using different mail software!

Jamboree On The Air is held every third weekend in October, and is an international event first started in 1957 by Les Mitchel (G3BMK).

There's a brief description of how it all started at:-

<http://www.scoutnet.org.uk/facts/sfa1.htm>

Nowadays there is also JOTI (Jamboree On The Internet) held over the same weekend.

I'm hoping to be active from GB2GP again this year, if I can find out who is 'in charge' of the station now that the station manager has decided not to carry on this year.

I 'ran' GB2GP for JOTA, but doing the whole year is a bit on the 'heavy' side when the station is about 250 miles away. :o)

Cheers de Dave (G0DJA)

Date: Thu, 28 Jan 1999 18:02:08 -0500
From: "Mike Czuhajewski" <wa8mcq@erols.com>
To: "QRP forum" <qrp-1@lehigh.edu>
Cc: "Mike Czuhajewski" <wa8mcq@erols.com>
Subject: [31280] Re bench signal generator
Message-ID: <199901282324.SAA21358@xanadu.evi-inc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I'll second the vote for the S&S Engineering digital VFO. It's a bit pricey at \$169 for the kit but has impressive specs. And it does have a nice user interface. It has a detented, rotary dial for stepping thru the frequencies. Turn it and the numbers step up or down, or push it in to change the steps. You can change frequency by 1 Hz per click, 10 Hz, etc, all the way up to 1 MHz per click--nice! And it does have an LCD display, of course. N3SLR, Rich Bachman showed me his at a local hamfest once. He has it built into a box with crank knob, BNC output, etc and it makes a dandy bench generator. Having its own internal controller does drive up the

price, but you can use it without having to boot up a PC :-)

About the only "problem" I see in using it as a signal generator is the high output level, which is listed as 0.6 volts p-p or 0.21 volts RMS--that's 210,000 microvolts. Getting that down to the vicinity of 0.21 microvolts for receiver sensitivity testing would require 120 dB of attenuation. You can pick that up easily enough with a step attenuator or two, to give you a wide range of output levels. The difficult part would be getting sufficient shielding--120 dB is not a trivial amount of attenuation, and the thing would have to be boxed up very well to keep signal from leaking out around the attenuators. Not impossible by any means, but could take some experimenting, careful bypassing, shielding, etc.

If anyone does this successfully, I'd love to have an article from you for the QRP Quarterly, or other QRP journal of your choice. Or just write up the basics and I can write the article for you :-)

73 and queue our pea DE WA8MCQ

Date: Thu, 28 Jan 1999 17:49:10 -0500
From: "Mike Czuhajewski" <wa8mcq@erols.com>
To: <phillips@msoe.edu>
Cc: "Mike Czuhajewski" <wa8mcq@erols.com>, "QRP forum" <qrp-1@lehigh.edu>
Subject: [31281] Re filter testing
Message-ID: <199901282311.SAA21249@xanadu.evi-inc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Here's a quick, shoot-from-the-hip, gut reaction response: Your scope will cause a lot of grief in this case, due to the frequency limitation. You want to test a 28 MHz filter with a 50 MHz scope. You need something of much higher frequency. By the time you reach 50 MHz, the response of the scope input section has already fallen off by 3 dB (which is the standard used to specify scope frequency response). By the time you hit 56 MHz, the second harmonic, it's fallen off even further, and I could only speculate what the scope response will be at the third and higher harmonics :-). When using a scope to examine signals, its response should be much higher than the highest frequency expected. I've seen a couple of different rules of thumb given, but most of them are on the order of 4 or 5 times higher. (But even more is better.)

Here's a little test to try. First, make the assumption that your signal generator has constant, or nearly constant, output amplitude across a wide

range, and hope that it really is. Now pump a signal directly into the scope, at a constant amplitude as measured by the meter or whatever readout the generator has, and observe what happens to the trace on the scope. You'll notice that the waveform gets smaller and smaller as the frequency goes up....and this is a direct input, without the complication of an added circuit which deliberately attenuates higher frequencies :-). And if you're using an oscilloscope probe instead of a piece of coaxial cable, don't forget those probes also have frequency limitations--and in many cases they can be even lower than the scope.

The options are not cheap or easy--get a scope with a much higher frequency response, well over 100 MHz if at all possible (\$\$\$) or find someone with a network analyzer (I love the HP 8753C and 8753D at work, but they go for over \$30K!) or spectrum analyzer with tracking generator. Or, in your case, already having a signal generator, just a spectrum analyzer alone. (And I'm quite aware that these are things that you don't find for \$50 at hamfests!)

BTW, nowadays I really should refer to those things as RF network analyzers, or scalar/vector network analyzers, because with all of the computers floating around, a lot of people think it refers to a computer network digital analyzer :-)

73 and Queue Our Pea DE WA8MCQ

Date: Thu, 28 Jan 1999 18:17:22 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: radman@best.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31282] Re: ProtoLab (free demo...)
Message-ID: <36B0F002.177F@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Radman, and the rest of the pack,

As QRP Quarterly's resident expert on Electronic Teaching Aids and Circuit Simulators I'd like to chime in here with a few words. First I didn't start out to become the resident expert -- I have been out of work since July 1998 due to hip replacement surgery and I looked at it as therapeutic. After all, what better way to pass the time than to sharpen my skills while recuperating. Then one thing led to another...

I have used demo versions of MicroCapV, Electronic Work Bench,

CircuitMaker, ARRL's ARD, and full versions of the last three. Now I have downloaded the Protolab product as well.

A circuit simulator is no better than the models it uses and the instruments it offers! Most are Spice based, and a really interesting comparison is to take one Spice file and run it across whatever you have -- compare results!

I don't have any favorites yet, I am still evaluating, but it is a lot of fun! I ask you watch my column in QQ for further developments.

Thanks

Date: Thu, 28 Jan 1999 18:32:26 -0500
From: "Thaire Bryant" <tbry37@ici.net>
To: <qrp-1@lehigh.edu>
Subject: [31283] FS items
Message-ID: <199901282324.SAA03048@bajor.ici.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The Radiokit QRP-17 has been sold.

Thaire

Date: Thu, 28 Jan 1999 18:35:34 -0500
From: S LYON <sslyon@worldnet.att.net>
To: rmccarty@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31284] Re: Informal Survey
Message-ID: <36B0F446.A0936597@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I confess... I put on a mask and do qro contest work w the YCCC group here on HF & VHF. We do a LOT of building of amps, voice/cw keyers, antennae, etc. Not nearly as much fun, generally, as QRP tho. -s-

Roger A. McCarty wrote:

>

> Just curious, how many folks here on the Qrp list, are also involved with
> Boatanchors and/or glow bugs? I'll tally up the replies and post the results
> to the list.
>
> Thanks and 72
>
> Roger A. McCarty ARS KD6CC
> <http://www.qsl.net/kd6cc>

--

'Seab' Lyon - AA1MY
Beacon NY USA FN-31
QRP-L 574 ARCI 9253

Date: Thu, 28 Jan 1999 18:43:18 -0500
From: Bill Wetherill <n2wg@wilmington.net>
To: qrp-l@Lehigh.EDU
Subject: [31285] NC20 arrived
Message-ID: <1.5.4.32.19990128234318.0066fd44@wilmington.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

NC20 arrived. Thanks for all your hard work guys. Now to find time.

72, Bill - N2WG
"PURITY OF ESSENCE" --- QRP

Date: Thu, 28 Jan 1999 18:46:23 -0500
From: Bill Wetherill <n2wg@wilmington.net>
To: qrp-l@Lehigh.EDU
Subject: [31286] FS QRP
Message-ID: <1.5.4.32.19990128234623.00673ebc@wilmington.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Guys and Gals,

How 'bout some reasonable offers for this excellent OHR 400 four band QRP
rig with built in keyer. I'll guarantee its condition.

72, Bill - N2WG

"PURITY OF ESSENCE" --- QRP

Date: Thu, 28 Jan 1999 19:17:40 -0500
From: Thom Durfee <tdurfee@usxchange.net>
To: qrp-1@Lehigh.EDU
Subject: [31287] Indoor Antennas
Message-ID: <36B0FE24.33012876@usxchange.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Howdy,

Egads! I just signed a lease for a new apartment and they won't let me have any outside antennas. Actually I knew that in advance and as my main hobby is RC Airplanes it is really no big deal.

My apartment building is all wood and I am on the middle floor of 3. QRP is definitely the way to go to keep peace with the neighbors.

I am looking for designs and opinions on effective indoor antennas. My primary bands are 40-10 meters.

Please post to the list for all to see.

thanks

Thom WI8W

Date: Fri, 29 Jan 1999 00:28:49 +0000
From: Ed Loranger <we6w@qsl.net>
To: qrp-1@lehigh.edu
Subject: [31288] Re: IC-730 ALC idea
Message-ID: <36B100C1.5B8A@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang, I had a small typo in this email. Glad I caught it before the flood...

The severely indented line should read "80 mV", no "8 mV"
This pretty much takes a 2 mV/Degree Celcius TC of the diode out of the picture since that is only about 100 milliwatts power change for every degree 'C'.

I'll measure this out if possible to do so with the resolution of my equipment.

See ya'll. (Sri for full quote, but the context was necessary.)

-Ed

Ed Loranger wrote:

>
> Ham friend, I'm thinking of trying this ALC idea I just
> had.
>
> Now since the ALC 5Watts to 1/2 Watt voltage range
> is between .71 to .79 Volts Negative, I am thinking
> I can current limit a diode across the alc line in the
> accessory socket (Negative to pin 8, positive Voltage
> to pin 8 <common>)
>
> Then adjust millivolts with a 100 Ohm pot in series with
> the diode across the line.
>
> It sure is convenient having .7 Volts or so as the target
> ALC voltage.
>
> And with the diode in there the battery voltage won't have
>>>> a huge effect on the ALC. 8 mV change from 5 Watts to 1/2
> watt is pretty tight so this little idea should take battery
> decay out of the math.
>
> Will try this after I nab the fox tonight :)
>
> 72, Ed, Team Vibro-Fox Finders.
> --
> -Ed AR QRP Millennium QSO's=220/2000
> 72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
> QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

--

-Ed AR QRP Millennium QSO's=214/2000
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Thu, 28 Jan 1999 19:36:15 -0500
From: "Vincent Ferme" <vferme@sprint.ca>
To: <qrp-1@lehigh.edu>
Subject: [31289] New QRP Rig? PatCom PC-9000.
Message-ID: <015701be4b1f\$622342e0\$2b1205d1@vince>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The February issue of CQ has an ad for the new PatCom PC-9000 (I think it's the model, writing from memory). Includes 6 meters and 5/40 W low and high power. No price mentioned, any additional info?

73 de Vince, VE3VFN.

Date: Thu, 28 Jan 1999 19:49:18 -0500
From: "Vincent Ferme" <vferme@sprint.ca>
To: <qrp-1@lehigh.edu>
Subject: [31290] PSK v1.04 software released.
Message-ID: <018401be4b21\$3432c8e0\$2b1205d1@vince>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Point your browser to <http://aintel.bi.ehu.es/psk31.html> .

73 de Vince, VE3VFN.

Date: Thu, 28 Jan 1999 19:50:16 -0500
From: "Larry H. Lyda" <wa4pjp@volstate.net>
To: "QRP-L" <qrp-1@Lehigh.EDU>
Subject: [31291] norcal 20 shipment
Message-ID: <000101be4b21\$596be600\$5b338cd1@larry>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

was the Norcal 20 mailed or shipped

TNX
Larry
WA4PJP

Date: Thu, 28 Jan 1999 18:55:21 -0600
From: Jim <kj5tf@madisoncounty.net>
To: qrp-1@Lehigh.EDU
Subject: [31292] Milliwatts to South America
Message-ID: <36B106F9.4B33@madisoncounty.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Nice conx 1/28/99 on 15M late in the day. My QTH Arkansas, QRP+, 2 el
quad at 70'.

Time	Call	Freq.	my pwr
22:28z	HC5AI	21.027	100mW
00:18z	PU2WIF	21.027	100mW
00:23z	LU1FNH/QRP	21.035	70mW

Tried to go to 20mW with Ed LU1FNH/QRP but lost him.

My QRP+ must have repaired itself, or maybe I made a mistake. Its
working fine as you can see. If it aint broke dont fix it!

Have fun, de Jim KJ5TF/QRPP AR QRP #2

Date: Thu, 28 Jan 1999 18:57:30 -0600
From: "Karl Heimbach" <heimbach@concentric.net>
To: <qrp-1@LEHIGH.EDU>
Subject: [31293] OHR Explorer II's sold
Message-ID: <011b01be4b22\$5ad851d0\$620505ac@pentium>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Gang,

Both the 30 and 40 meter Explorer II's have a new home. Thanks for all the inquiries.

Karl - W5QJ

Date: Thu, 28 Jan 1999 19:00:28 -0600
From: crc <crc@io.com>
To: fantbb@yahoo.com, QRPL <QRP-L@Lehigh.EDU>
Subject: [31294] Re: When is next QRP to the Field????
Message-ID: <36B1082C.849F186D@io.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jeff wrote:

> Getting ready for Freeze Your Butt Off (FYOB) and as this is

But I thought that in Texas we call it Fry Your Butt Off (FYBO) hihi
charlie WA5KRF Austin,Texas

Date: Fri, 29 Jan 1999 00:24:36 -0000
From: "Mike Rioux" <mike@rioux.org>
To: <turnerw@email.uah.edu>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Cc: <aa1m@aol.com>
Subject: [31295] RE: [Fwd: Radio gear on WWII Subs:]
Message-ID: <001301be4b1d\$bffff58b0\$0a32a8c0@seabat>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bryan, et al:

I've operated from the USS Lionfish in Fall River QRO a couple of times. IMHO, there is no way you will have a good time running QRP and making lots of contacts from the sub. The boat is low in the water, and the antenna will only be about 50' high. Of course, we had a big piece of metal

(USS Massachusetts - a Battleship and the USS JP Kennedy, a destroyer to absorb

the RF) nearby. (:

The G5RV I used was centered on the periscope shears and was barely able to make

40+ contacts from the sub. This was with a IC706MkII, AT-11, and 50 feet or so of RG-59 duct-taped from the crew's mess (and the radio room) thru the control room and up the gun hatch to the bridge. HOWEVER..., it was still great

fun explaining to the visitors what ham radio was, and what radio operators did

on board these subs. If you are looking for a lot of QSO's as a Special Event

station...it probably won't happen. If you want to give out some rare QSO's.....

73, Mike

p.s. Look for W1USN during the Museum ships activation, and US Navy ships activation this year.

"The history of liberty is a history of the limitation of governmental power, not the increase of it." -- Woodrow Wilson

Mike Rioux, W1USN

mike@rioux.org

Date: Thu, 28 Jan 1999 20:20:52 EST

From: J38AL@aol.com

To: qrp-1@Lehigh.EDU

Subject: [31296] Re: NC20 Missing Parts Procedure

Message-ID: <15485e80.36b10cf4@aol.com>

Mime-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit

Content-Transfer-Encoding: 7bit

In a message dated 1/28/99 3:46:17 PM Eastern Standard Time, ki6ds@dpol.k12.ca.us writes:

<< Guys, I will be the guilty party if you * have missing parts * in your NC20 kits. >>

I guess if we have the missing parts, they aren't missing !!

Can't wait 'till I get mine - sounds like a GREAT kit.

Thanks in advance to all those involved in this project. Hope you can get a chance to get back to your 'regular' life again. (until the next kit !!)

72 Al Scotia, NY
NorCal 2226, QRP-L 1672

Date: Thu, 28 Jan 1999 21:26:06 -0500
From: S LYON <sslyon@worldnet.att.net>
To: g4wif@btinternet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31297] Re: Two Englishmen in New York
Message-ID: <36B11C3E.488CB903@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I'd be very happy to join in a welcoming committee for these intrepid explorers, if there are others similarly inclined. It's 1.5 hrs from here, but I'd make the trip just to share some of the things I'm fond of in "unique you nork". One of the absolute MUSTS in my(our) book is to watch sunset from the top of the World Trade Center... over dinner if possible. The cruise around Manhattan -our the one up the Hudson (toward my house 70mi up) is GREAT, South Street, the Village, ... sounds like a new -and welcome thread, ja? -s-

Tony Fishpool wrote:

>
> Last year I posted a request for advice about what sights Graham G3MFJ & I
> could see during a 5 hour layover in New York while making our way to
> Hamcom. The response from folk who know the area was unanimous - not
> awfully much. So we have changed our plans and have extended our layover to
> 29 hours. We now arrive at (JFK) June 6th at 12:55pm and depart on the 7th
> at 17:25.
>
> The tourist folk have kindly sent me a map and a huge list of hotels, but
> as we don't know which areas we ought to avoid, a little more local

> knowledge would be appreciated. It would also be great if we could meet up
> with any list members for a pint or two and maybe go out for a meal.
>
> JFK is a bit of a trek to Manhattan, so we would also appreciate advice on
> commuting, i.e cab/train etc.
>
> Kind regards
> Tony - G4WIF (KI8CR)

--

'Seab' Lyon - AA1MY
Beacon NY USA FN-31
QRP-L 574 ARCI 9253

Date: Thu, 28 Jan 1999 21:14:05 -0500
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [31298] PSK31 "roundtable" mode
Message-ID: <19990128.211516.-73425.1.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Remember this can be a roundtable mode too.

Turn both your AFC option and NET option ON before "ping"ing an existing
QSO (during their change over) with your "CW ID" / "F6 Shortcut".
Remember only the station that started the QSO should have their NET
option OFF, else (if your NET is ON) and one of you have a
transmit/receive offset the QSO frequency will "walk".

>From the PSK31 HELP File....jk..."it is recommended that you keep the Net
option off if you started the contact (for example by calling on sked or
calling CQ), and keep the Net option on if you replied to a sked or CQ
call or joined a multiway contact. The control station in a multiway net
should keep the Net option off to "freeze" the net frequency."...jk...

You are most welcome to "ping" my QSO anytime.

John
N3AAZ
FM19xb

.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 28 Jan 1999 18:50:35 -0800
From: "Roger A. McCarty" <rmccarty@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [31299] Re; Informal Survey
Message-ID: <001101be4b32\$25379440\$8e05b2d1@rmccarty.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well, we had 32 positive replies and 1 negative. I guess this means ... well absolutely nothing (Ha!) Kind of like polls, Only the interested reply. What it means is that out of 2000+ Qrp-L list members, only 32 of us are involved in boatanchors and Qrp? Of course that does not take into account those that do not read the list anymore, or have not yet responded, or did not see it important enough to respond to (which is understandable, it certainly was not a intensely significant question), or etc., etc. What do the statistics experts say? Of any poll a 20% response is all that is expected? Or something like that.

Anyway, I think the common denominator is activity. A pro-active approach to Amateur Radio, as opposed to knob turning. Build or re-build, put a bit of yourself into the radio. Just thinking out loud here, not sure it's significant at all.

Thanks to everyone who responded!

btw, a couple of folks asked for links to Boatanchor and/or Glow Bug Web Sites. My main interest in Amateur Radio prior to being bitten by the Qrp bug, was boatanchors and so, you can check out my url listed in my sig line however, for an extensive listing of Boatanchor web sites, check out K1DWU's listings at;
<http://206.202.0.2/~mmsn/hamlinks.htm#boatanchors>
or for Glowbugs go to N6EV's Page at;
<http://www.qsl.net/~n6ev/Glowbug.html>

Have Fun!

Roger A. McCarty ARS KD6CC

<http://www.qsl.net/kd6cc>

Date: Thu, 28 Jan 1999 20:54:04 -0500
From: W5TB <w5tb@SoftHome.net>
To: tdurfee@usxchange.net, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [31300] Re: Indoor Antennas
Message-ID: <v04011705b2d6c4fba0e1@[10.4.12.213]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 7:17 PM -0500 1/28/99, Thom Durfee wrote:

>Howdy,

>

>Egads! I just signed a lease for a new apartment and they won't let me
>have any outside antennas.

Oh no Thom! While you wait for the flood of mail from this excellent list,
start with

The Condo Communicator -- a newsletter directed toward helping hams
solve the perennial problem of getting on the air from inside apartments,
townhouses and anywhere that the traditional big-tower setup is forbidden
or impractical. Dormitory residents and anyone not living on 40 acres in the
country will find the suggestions in these articles helpful.

<http://www.uga.edu/~barc/ccindex.html>

73 T.E. 'Doc' Drake W5TB

Arlington, TX w5tb@softhome.net <http://www.qsl.net/w5tb/>
QRP-ARCI # 3252 NORCAL #1002 QRP-L #673 FISTS # 5365
ARRL Life Member

Date: 28 Jan 1999 21:04:40 -0600
From: "rohre" <rohre@arlut.utexas.edu>
To: qrp-l@lehigh.edu
Subject: [31301] Discounts on Kits, suppliers need
Message-ID: <n1294564982.86974@msmailgw1.arlut.utexas.edu>

Glad someone got the nice answer from Scott at Ten Tec.

I am surprised he did not mention what I believe is still their company offer

to give Ham radio clubs discounts on group kit purchases. I think it can even be assorted kits, but all sent as one order.

This came out as a mailing to ARRL affiliated clubs last year I believe, and I have not seen any retraction of it since. Think I will ask Scott if that is still in effect for any club; but, I am sure they would discount any quantity purchase as it helps their bottom line in the long run.

I am a bit amused at folks sitting at what are \$500 to \$K buck computers, hoping to find a discount from the kit makers. I (and others I am sure) often had long conversations about the difficulty of getting parts in quantity at good prices and still keeping the kit price down with the late MXM founder, Bruce Williams WA6IVC. Specialty parts are a particular problem such as ham frequency crystals or mixer crystals. Metal work, boxes, and such are another. Bruce was always trying to find suppliers that could help keep the kits he offered affordable.

He used designs that are still some of the most sensitive receivers of any kit out there. His use of FM IF cans for multi band coils by changing or eliminating the capacitor on the bottom, kept the number of toroids needed to a minimum in his kits. The oscillator coil also was this shielded can, helping keep the signal from straying. Am surprised more kits do not use this, although Ten Tec has some commercial coil cans in their all band superhet receiver.

I know the present kit vendors have the same concerns and have to scramble as parts vendors come and go, and sources for specialty items like variable capacitors, or reduction drives dry up.

Yet, I still remember back when the minimum wage was around a \$1 an hour, how hard it was to get up \$35.95 to buy a Heath DX-20 kit. I had to take out a loan from my parents.

But on the other hand, my grand daughter is only in first grade, and her allowance is enough to have bought that kit in 7 weeks or less, and I am told that is a minimal allowance for today's young folks!

My advice to younger hams is to collect old VCRs, and a good set of desoldering tools, and you can soon populate a junk box to build simple rigs and receivers.

Also, it is good to have an equipment loaner system in local or area clubs, but it is hard to keep up with the rigs, keep them in repair, etc. as many are of necessity older equipment with hard to get spare parts. Another idea for raising money for a kit, is take on a short term fundraiser, like the bands, girl scouts, etc. do with candy and cookies. And what about paper routes? That used to be good money and steady for a kid, albeit at a sacrifice of sleep!

Glad to see a post from a High School Radio Club member!! They were the backbone of the ham radio growth back when I came in. The mutual support we gave each other helped us get our upgrades from Novice to General in the one year that was all the Novice lasted.

The club members helped me get up an effective dipole antenna, rather than what I had thought would work, (a Marconi) which never worked well enough to get out of town.

-Stuart K5KVH
Austin TX
rohrer@arlut.utexas.edu

Date: Thu, 28 Jan 1999 22:15:54 -0500
From: Nick & Susan Caruso <nzc@mediaone.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31302] Re: Vernier binding, shaft misalignment, flex coupling
Message-ID: <36B127EA.4D49048E@mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Peter_Simpson@ne.3com.com wrote:

> I use plastic tubing of an appropriate ID to connect
> misaligned shafts. Works well for short distances and
> slight misalignment. I didn't think it up, just saw
> it somewhere and tried it.

Yeah, and if you wanna spend the money, Small Parts Inc carries various couplers that can accomodate various degrees of misalignment, including some very sturdy flexible shaft couplers. FWIW.

<http://www.smallparts.com>

(I spoze I should say, I've no financial relationship with Small Parts Inc. I just enjoy reading their catalogs!)

73 de kb1dej
nick caruso

Date: Thu, 28 Jan 1999 20:41:56 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: fantbb@yahoo.com
Cc: qrp-l@lehigh.edu
Subject: [31303] Re: When is next QRP to the Field????
Message-ID: <199901290341.UAA04836@usr08.primenet.com>

(cc: QRP-L)

Howdy Jeff,

> I was wondering when QTTF is? Last weekend in April?

Yes, NorCal's "QRP To The Field" event will be held on Apr. 24th this year. Announcement will go out exactly two months before the event, unless I'm sufficiently badgered to do otherwise. :-) Gonna be a "good'un!"

Cheers de AB7TT,

-Joe, vole@primenet.com, NorCal Contest Critter

"And that, my Liege, is how we know the earth to be banana-shaped."
- Monty Python and the Holy Grail

Date: Thu, 28 Jan 1999 21:50:22 -0600
From: Jeff Johns <jeffj@scott.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [31304] Re: Indoor Antennas
Message-ID: <199901290350.VAA06172x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

On Thu, 28 Jan 1999 19:17:40 -0500, Thom Durfee <tdurfee@usxchange.net> wrote:

> I am looking for designs and opinions on effective indoor antennas. My
> primary bands are 40-10 meters.

A loop somehow attached to ceiling may work. I just put a 10 meter loop in my attic and it make quite a difference over the dipole I had up there. I'm

new to HF, so I'm sure others will have much better suggestions. I watch for them also, I'm always open to new and exciting ideas.

73 Jeff

```
*----- Jeff Johns W4JEF - AMSAT# 32615 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Thu, 28 Jan 1999 22:52:43 EST
From: PGSPersEng@aol.com
To: qrp-1@lehigh.edu
Subject: [31305] Q on PSK31
Message-ID: <5c16e0c8.36b1308b@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi gang,

This PSK31 sounds really interesting. I'm thinking about getting aboard, and even after studying G3PLX's writings but still have a few questions:

Where/how do you connect the Sound Card to the rig? Through the audio/mike input (so our CW kit rigs don't come in question)? And do you feed the speaker output back into the Sound Card?

What's the cheapest way to get going -- my shack PCs are 386 and 486 machines, not all running Windows. Can I find a cheap Sound Card that comes with the necessary DOS drivers?

Thanks,
Paul, AA1MI

Date: Thu, 28 Jan 1999 23:00:40 -0500 (EST)
From: Edson Pereira <edson@sylvia.harvard.edu>
To: Thom Durfee <tdurfee@usxchange.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31306] Re: Indoor Antennas

Message-ID: <Pine.GS0.3.96.990128221723.16770A-100000@sylvia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Thom,

I am in a very similar situation. The only antenna I could get some decent performance inside the apartment was the small magnetic loop.

73,

-- Edson, N1VTN

On Thu, 28 Jan 1999, Thom Durfee wrote:

> Howdy,
>
> Egads! I just signed a lease for a new apartment and they won't let me
> have any outside antennas. Actually I knew that in advance and as my
> main hobby is RC Airplanes it is really no big deal.
>
> My apartment building is all wood and I am on the middle floor of 3.
> QRP is definitely the way to go to keep peace with the neighbors.
>
> I am looking for designs and opinions on effective indoor antennas. My
> primary bands are 40-10 meters.
>
> Please post to the list for all to see.
>
> thanks
>
> Thom WI8W
>
>

Date: Fri, 29 Jan 1999 04:03:57 -0000
From: "Steve Sorrell" <ap036@detroit.freenet.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [31307] Chosen one
Message-ID: <015601be4b3c\$88a52d80\$c742b3c7@sorrells>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Looking for volunteers!

In reading posts about who is deserving of a free or discounted rig, I discovered that I should be chosen. Here are my reasons:

First: I'm retired, no income. SS doesn't kick in till I'm 62 and I'm only 58 now. Can't use my pension money cause I'm not 59 1/2, so I'd be penalized for withdrawing any money to buy a rig.

Second: I'm too old to shovel snow, so I can't go door to door to shovel snow for the neighbors. Besides they would call the cops on the nut outside. Also, its dangerous because you could get run down by snow mobiles.

Third: Can't work in a fast food place, people that don't speak English get those jobs and those that do speak English, wear hearing aids and I don't have a hearing aid.

Fourth: Can't do any lifting cause I have a hernia, so I'm only good at sitting in front of the radio.

Now, that I have proven that I'm deserving, I need someone to give me a new K2. You see I can't use a cheaper radio like the NN1G or the other OHR and Wilderness radios because they only operate one band and only part of that band, so they are out. I like to operate the whole band and on lots of bands. No, not the Sierra, its CW only and sometimes I like to operate SSB. Besides it only operates at QRP levels and everyone knows life is too short to operate QRP. Of course if it doesn't come with a microphone, you need to pick one of those up for me too. Now then, the hard part. I really don't feel like building it. Someone needs to build it for me. During the day I watch soap operas and can't get away to work on the K2, someone will have to build it for me. Then, of course I'll new a new TH7DXX with appropriate 100 foot tower, rotator and someone to put it all up. Of course all this stuff operates on electricity and will cause my bill to go up and rather than split hairs on figuring out what part of the bill is from the new stuff, just pick up the whole thing for me, OK? That should do it for now, but I do think I'll need a new Alpha down the line cause the K2 does put out enough drive power.

Ok, here's what I'm going to do. All you volunteers write me direct and I'll pick the winner out of a hat and post it here on the reflector. Oh, I just thought, and of course, this is not a must thing, but a new Mercury paddle and CMOSIII keyer sure would look swell next to the K2, doncha think? OK, I'll be here waiting for all you volunteers to respond.

73/72

Steve Sorrell, W8SFF

Date: Thu, 28 Jan 1999 23:02:52 -0500
From: Fran Flynn <fflynn@together.net>
To: qrp-l@lehigh.edu

Subject: [31308] re: winding cores
Message-ID: <36B132EB.5CCE3B1F@together.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jeff Johns <jeffj@scott.net> wrote:

>I can't practice code anymore
>than that, because it will literally drive me crazy and I want this to be
>fun hobby.

May we all keep in mind that this a *hobby*! Do what you can if and
when
you can and if it stops being fun....

>Now a tech question, when winding a torrid, is there a rule of thumb for the
>diameter of the wire to be in relation to the size of the core, or is each
>circumstance different and dependant on what you are trying to achieve?

Aside from getting a higher 'Q' with larger wire, I think it's mostly
a matter of convenience. It's easier to wind a core with larger
diameter
wire, simply because it is easier to handle, but if you need to fit a
lot
of turns, you may have to use smaller wire.

72

Fran KM1Z
FN34

Date: Thu, 28 Jan 1999 22:58:04 -0500
From: "Paul Norman Craig, Jr." <n3ysi@easy-pages.com>
To: "'tdurfee@usxchange.net'" <tdurfee@usxchange.net>
Cc: "'qrp-1'" <qrp-1@lehigh.EDU>
Subject: [31309] RE: Indoor Antennas
Message-ID: <01BE4B13.AA289240@default>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Thom,=09

Having done some traveling on biz in the last year or so, I can give u =
ideas on wat will work. They are minimums and can certainly be improved =
upon but you will get on the air and you will make qsos! Last spring in =
a motel room in Crossville TN I had 66" of wire strung from the tuner on =
the desk, behind picture frames and across to the lamp on other side of =
room (put little post-it notes on it so the maid wudn't hit her head), =
behind the mirror and terminated on the drapery rod above the patio =
door. Didn't really dig out the "dx" but I had qsos every night on 40 M =
wid 3 watts from my Emtech NW40. Worked TN, NC, OH, & WPA. Efficient, no =
way?, but I got my CW/QRP fix every evening. Now in your case, I think =
I'd try some dipoles up in the edges twixt the wall and ceiling. Go with =
#20 wire, white insulation wont look to bad. Remember, it doesn't have =
to be in a straight line, just get the wire up in the air and have fun. =
Depending on your room size, on 10 & 15 M try a closed current loop =
mounted horizontantly the same way and fed thru a tuner with ladder line. =
That may work quite well for you.=20

Bottom line, don't expect the world, but expect to have fun and you =
will!

72 de n3ysi, Paul in Quakertown PA

From: Thom Durfee[SMTP:tdurfee@usxchange.net]
Sent: Thursday, January 28, 1999 7:17 PM
To: Low Power Amateur Radio Discussion
Subject: Indoor Antennas

Howdy,

Egads! I just signed a lease for a new apartment and they won't let me
have any outside antennas. Actually I knew that in advance and as my
main hobby is RC Airplanes it is really no big deal.

My apartment building is all wood and I am on the middle floor of 3.
QRP is definitely the way to go to keep peace with the neighbors.

I am looking for designs and opinions on effective indoor antennas. My
primary bands are 40-10 meters.

Please post to the list for all to see.

thanks

Thom WI8W

Date: Thu, 28 Jan 1999 23:31:47 -0500
From: Tom Palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [31310] FOX WS4S
Message-ID: <36B139B3.679091C0@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Band condx here in SW Florida were poor for the hunt this evening. Didn't hear a hound until about 0335 Z. Then they were up and down; maybe slow QSB? Took few minutes to zero beat Conrad's transmitting frequency and to figure out his listening pattern. Finally worked Conrad at about 0350 on my 3rd call. He had come up to a solid 569. K1QM, Joel in MA., had a big signal into SW Florida at about 0355. Signals from the northwest are weak here, but heard AZ. just fine. Wonder how band conditions were in other parts of the U.S.? Because of poor conditions expect no QSO total record will be broken tonite, although Conrad is doing a fine job.

Tom, N1TP.

Date: Fri, 29 Jan 1999 04:45:38 GMT
From: mwattcpa@earthlink.net (Marty Watt)
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [31311] Re: FS: Wilderness Sierra
Message-ID: <36b23b9e.23793713@mail.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

re: my Sierra for sale, 80-20 modules working fine, 17, 15, 10 need some output power work, KC2 installed with the Wilderness KC2 faceplate:

>I'd like to accept the highest offer over \$425 for the goods (I think = the kit

>price alone is over \$475). I will wait until Saturday UTC (Friday =
evening
>local) for bids. I'm doing this to give the digesters and others the
>opportunity to bid. I used to get frustrated to no end that I'd miss =
deals in
>the first 10 minutes!

This doesn't sound right, now that I look at it.

Bids/offers can be sent *anytime*, but I'll wait until Friday evening =
local
(possibly Saturday early am local) to decide the best offer. Send 'em in=
--
I'll keep up with them and let you know. This is not an auction or =
raffle per
se, but I do want to give everyone a shot.

If your bid is under \$425, go ahead and send it, but I reserve the right =
not
to sell for that. I might change my mind, though. So sue me, I'm =
fickle. <G>

Private e-mail only, please. The rig can be seen in a photograph of my =
shack
on my web page. No, I won't sell the St. Louis Tuner or the WM-2! <Grin>

--

72 es 73 de Marty, KM7W

-----=

Memphis, Tennessee =
<http://home.earthlink.net/~mwattcpa>
VE -- NorCal #2031 -- ARCI #7514 -- QRP-L #0953 -- AK/QRP #098 -- Grid =
EM55ce
CODE WARRIOR(c) #29 -- Mobile CW -- "Taking Code on the Road with a =
Vengeance"
Member -- Tennessee Contest Group

Date: Thu, 28 Jan 1999 21:47:05 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [31312] FOX: The Fox and the Hail Mary
Message-ID: <199901290447.VAA07438@usr08.primenet.com>

Howdy Folks,

Finally found Conard (The TN Elusive One) tonight, problem was the !&^%\$#^&!@! local S9+20 QRN that kept blanking out the entire band! It cycles almost like some guy in a garage using a really bad power tool, including very long pauses for what I imagine would be a beer break. Time to track that down tomorrow.

Anywho, in between these horrific blasts of Black & Decker jamming, managed to squeeze off two, maybe three shots, and I'll be darned if Conard didn't come right back to one of them! Not that I could tell at first, since the hash kicked in right after I sent my callsign. Luckily Conard stuck with me and sent my call a few more times (thanks!).

Sorry if it slowed anyone down, but I was at the mercy of unknown forces. It also ruined a perfectly good QSO with W3DP/QRP in PA afterward, which REALLY hurt because I believe Dick was my *first* ever 2xQRP QSO! (Back when I was KD6PRD, circa '93). Wanted to ragchew with him in the worst way. ARGH!

Thanks for letting me vent. My wife tries to nod understandingly when I gripe about this stuff, but you know how that goes. :) Hope the rest of you had a good night.

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

FYBO Winter QRP Field Day - Feb 6th - See <www.extremezone.com/~ki7mn>

Date: Fri, 29 Jan 1999 04:57:37 +0000
From: "Caitlyn M. Martin" <cait.martin@ibm.net>
To: vhf@w6yx.stanford.edu, qrp-L@Lehigh.EDU
Subject: [31313] WANT: Icom IC-201 manual
Message-ID: <36B13FC1.D6EBB615@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi, everyone,

I located the schematic only for the IC-201 2m all mode base rig, but still not a complete manual. Again, if anyone has one, I will gladly pay for copying and postage, or purchase an original.

Thanks and 73,
Caity
KU4QD

Date: Thu, 28 Jan 1999 23:00:14 -0600
From: Jay Bromley <w5jay@alltel.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31314] Doug comes to the Fort:LONG
Message-ID: <36B1405E.FECA725C@alltel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi everyone,

Man what a great week so far. I received my NJFB-40 in the mail today and also my sweepstakes pin. Looks like the wait is over on the NC-20 and the K2.

So I can't keep this info quiet any longer. If you are one of those here in the central US that have been lusting after the QRP forums at the big Hamfests and don't have the time or the money to make it? Or maybe you have been to one of the biggies and felt like there wasn't enough time to exchange ideas with your fellow QRPers. Well check this out, Doug Hendricks when he is attending the Fort Smith Area Hamfest. This is a one day event on March 13th.

Yes I know this is not a multi-day event with a big line up of prestigious speakers. Though I wouldn't turn down any that wanted to come. But, we're going to turn this into one of our strengths. This will be a very laid back event. We will be concentrating on fellowship and showing off our projects. Doug will be talking about the NC-20 project, how to build up a QRP Club, and anything else he cares to talk about. With over 3000 members now in NorCal Doug knows what he is taking about. There will be a building contest. Categories will be kit

and hambrew. We'll be getting together at a local restaurant for more fellowship afterwards. Oh, I almost forgot Doug will be giving away a NC-20!

Want a chance to win the NC-20 but can't attend the fest? Here's how, Arkansas law says we can't hold raffles and games of chance without giving you something in return. So send me \$5.00 for an entry fee and I will send you back a ticket for the drawing. You don't have to be here to win the NC-20. Tickets will be entered automatically but, please mark on your check NC-20 and payable to me. Be sure to let me know if you can't make it.

We have a great location this year and a hotel nearby with group rates. For info on all this check out our web page at <http://www.qsl.net/fsaarc/>.

For family members not interested in the hamfest there is a downtown area full of nice shops, antiques, ect. The Fest is also right in the middle of the Historical District.

This ought to be a good forum being on the border of Arkansas and Oklahoma. Those coming from the Missouri border are in luck with the new interstate that just opened up. If you're coming from the Springfield, Mo. area it's four lanes all the way from Bella Vista to Fort Smith. The billion dollar tunnel is pretty neat too! It takes 45 minutes to get from Fayetteville, Ar. to Fort Smith. I have been talking to some of the QRPers from Oklahoma city, Missouri, and the Arkansas QRP club. Can't wait to meet you guys and be sure to bring your projects with you.

We are going to try to give Doug a much needed rest after the NC-20 project and not rag him out too much. We will do our best to wine and dine Mr. Doug. Dave, NF0R, says the hard part will be to feed Doug. Dave, I wish you could be here to help!

If you don't have web access and want a flyer let me know. E-mail me and I will send you one. Let me know how many you want. Spread the word and I hope to see you there. In the meantime, ideas, suggestions, donations, and prizes are welcome. Check the web-page out frequently as we will be updating it often. Hope to see you there!!

72 de w5jay

Jay Bromley
9505 Bryn Mawr Circle
Fort Smith, AR. 72908-9276
ph# 501-648-9138 hm
501-651-7012 wk

Date: Fri, 29 Jan 1999 00:02:23 EST
From: Bradley L Mugleston <kb0rol@juno.com>
To: qrp-l@lehigh.edu
Subject: [31315] Strange quiet
Message-ID: <19990128.214224.11855.0.kb0rol@juno.com>

at around 9:15 local tonight (0415Z) I was turning around the band listening to the noise.

On 7.1143 the audible noise almost died - the S meter was 8-9 solid. Just above and below that the noise came back, the S meter dropped and it sounded like normal.

What was going on? Any suggestion? Paul, anything going on then?

Thanks

de KI00T, Brad

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or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 29 Jan 1999 00:16:47 -0500 (EST)
From: James Skalski <jskalski@buffnet.net>
To: Steve Sorrell <ap036@detroit.freenet.org>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31316] Re: Chosen one
Message-ID:
<Pine.LNX.4.03.9901290015480.2486-100000@valhalla.valhalla.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Try a paper route. That is how I bought my first station :-)

73,

Jim N2go

Date: Thu, 28 Jan 1999 22:55:02 -0500

From: Scott Howell <whowell@hq.nasa.gov>
To: qrp-1@lehigh.edu
Subject: [31317] silly question
Message-ID: <3.0.5.32.19990128225502.007b6120@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

ok, what's below 7.025. I ask cause I hear all these stations below 7.025, but looking at my chart of freqs available to Generals and Advanced I see they have the same access.
So, is this for Extras? Who has the info on what Extras get. I looked in my study guide and couldn't find the info and wanted to add that to the chart for reference.

tnx es 72/73 de Scott/n3byy
Fists #5030
Laurel MD

ps don't laugh.

Date: Fri, 29 Jan 1999 05:31:19 +0000
From: Patrick M Kvitkauskas <pmk@juno.com>
To: qrp-1@lehigh.edu
Subject: [31318] PSK31 How sweet it is (Non Creative labs card part 3)
Message-ID: <19990129.053233.6334.0.pmk@juno.com>

If you have a non Creative labs sound card and are still interested keep reading.

I don't have one but gave it a try anyway and it worked FB.

Well just got off the air with NB6Z and had a nice QSO with him. He directed me to his web site (www.teleport.com/~nb6z) and he had some suggestions about hooking up the Mic input from the sound card. I ended up using a .1 cap to couple (come to find out it is not needed and a 200k resistor to get 50 percent power out of my TS-50 at the 50 watt setting as it has no gain control and uses some kind of AGC/ALC control for SSB so now the splatter is down to a minimum at half the full input.. It is putting out about 25 volts pp so I am just a little over 1 watt on the low power setting but not by much.

Don't think I will mod out my Sierra (unless someone really twists my arm) as I don't want to mess with how good

it is working on CW.

I could not believe that Griff NB6Z and I were perfectly tuned into each other. I never had to touch the RIT the whole time. Like I said in a earlier post (#2 I think) it is very touchy. 20hz will throw you off the copy but I think the TS-50 will work out great for that mode.

If anyone is looking for PSK31 signals I found them between .070 and .080 on 40 and 20mtrs. I found both bands just above either a QSO on some other mode or noise (woodpecker). They were around .0745 on 20 and caught Griff on .078 I believe on 40.

So if you are still reading this give it a whirl. I find you will be quite impressed with it.

This will be my last post to the list on PSK and hope to catch a few of you on it as well.

No I will not be getting away from CW but just playing with a free toy for the moment. I am sure it will wear off in a month or 2.

72/73 de Patrick KD4OBQ

AR

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Date: Thu, 28 Jan 1999 22:48:58 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-l@lehigh.edu, cqclist@mtechnologies.com
Subject: [31319] Skinny old barel-there fox bagged in C0
Message-ID: <199901290548.WAA00056@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

I'm not sure this one's even worth keeping-- just barely there for the first hour and then some, and an ESP contact for sure. Later, around 0430 he was the strongest signal on the band, peaking S9 at times, and virtually no takers!

Nice job under vy tuff cndx, Conard!

73

Marshall Emm

N1FN/VK5FN

n1fn@MorseX.com

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--

Date: Fri, 29 Jan 1999 01:06:14 EST

From: N7YA@aol.com

To: lowpowerdx@egroups.com

Cc: qrp-1@lehigh.edu, ham-radio-history@egroups.com

Subject: [31320] The Heroes of Ham Radio

Message-ID: <dacedff9.36b14fd6@aol.com>

Mime-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit

Content-Transfer-Encoding: 7bit

this thread has generated quite a bit of responses, many more in private.

in asking, i forgot to add my opinions, or votes, as to who i think was a great contributor, figure, or just needed to be aknowledged in ham radio;

Don Wallace, W6AM, a pioneer for sure. i read his book, this man damn near did it all!

Bob Locher, W9KNI, DXer/author/antenna designer...my copy of "The Complete DXer" is in very worn condition, i must have read it a thousand times.

Sen. Barry Goldwater, K7UGA...though i may not have agreed with everything he said while in office, i had to respect him for saying the things he did. not to mention the tireless work he devoted to his hobby, and ours.

Joe Jeffries, WL7E...my DXing elmer, the man is a wealth of knowledge, and has an endless amount of tricks in his arsenal for snagging the ultra-rare ones.

Ken Greene, KL7JAI (now a 6 lander)...for taking the time to answer questions and introduce this irritating kid to the world of ham radio.

Alyssa, KB9THU...for being a 9 year old YL novice working contest on CW with a decent fist.

Lloyd Colvin, W6KG...for being such an avid traveller and dxer, putting so many needed countries on the air to please the masses, he will be missed.

Bill Bennett, W7PHO...those of us who remember him could never mistake his voice on the air. he did many things...founded the WWDXA, was the net control

for the well known "Family Hour" net, qsl manager, etc...

There are many more, but these folks stand out to me personally. i will collect all the names and calls that weve been talking about and post them up so everyone can browse, reflect and respect. thanks to all of you who have responded to my question, its turned out to be an interesting thread.

73...Adam, N7YA

Date: Fri, 29 Jan 1999 00:13:39 -0600 (CST)
From: Jeff <jeffj@scott.net>
To: Scott Howell <whowell@hq.nasa.gov>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31321] Re: silly question
Message-ID: <Pine.LNX.3.91.990129001212.32672A-100000@koala.scott.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 28 Jan 1999, Scott Howell wrote:

> ok, what's below 7.025. I ask cause I hear all these stations below 7.025,
7.000 to 7.025 is for Extra class where CW, RTTY and data is allowed.

73 Jeff W4JEF

```
*----- Jeff Johns W4JEF - AMSAT# 32615 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: 29 Jan 99 06:20:06 GMT
From: Roy Lincoln <wa4dou@usa.net>
To: owner-qrp-1@Lehigh.EDU, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [31322] Re: [Re: 13 wpm code exam]]
Message-ID: <19990129062006.11912.qmail@www0g.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Ed,

Since you chose to address me via QRP-L, i'll respond to you via the same.

Occasionally, over the years, i've made qso's with Novices in the novice bands. Whatever their speed, i matched it, in the spirit of ham radio.

Generally, my activity is in the General/Advanced and Extra portion of the bands. I really don't remember ever having a 7-10 wpm qso in those areas, so its pretty much a mute point. I've never been responded to at such a speed while operating at a considerably higher speed. Were i to tune across a 7-10 wpm station in that area of the band, i probably would not call that station.

Its my choice, ED! Unless they've started spelling AMERICA with a K.

I held the novice call WN4DOU from Oct. '61 until May '62. I didn't make a single contact as a novice. I wasn't interested in CW. It made no more sense to me then than it makes to some here now. I was interested in AM phone. I made my first qso on 6 meter AM. Gravitated to 20 meters. I had a rip-roaring 35 watts output, carrier control mod. Dipole antenna. Made lots of 20 meter qso's. Lost a lot of them too! Due to QRM, QSB, etc. Someone suggested that i try CW. I scoffed! They insisted, and loaned me a j-38 straight key. I tried it. It was fun! I realized that i was transferring the very same info ,albeit, at a slower speed. My qso success ratio shot up. DX from other continents became everyday fare. I was hooked! Been a rabid CW enthusiast since.

I administered a novice exam about 1989 or 90, along with another ham. The prospective guy that i elmered, asked me if i had ever done it before. I responded "no", and he asked "why"? My reply was that i had never been asked before.

If elmering is your cup of tea or operating slow cw and working newcomers(notice i didn't use that modern term), great, have at it! But ED, don't expect us all to see alike, think alike and march in lockstep to the latest display of self-sacrifice and virtue.

I came into ham radio via BCB and SWL'ing. I found it on my own. No matter the difficulty, i would have done whatever was required to get a license. They could not have beaten me off with a stick.

I hope you'll forgive me ED, if i don't share your opinion on this one. I am not interested in working cw at 7-10 wpm, even if it means that my opinion is in the minority.

73 Roy Lincoln WA4DOU (Sims, N.C.)

Painfully slow? Anything can be painfully slow depending on what speed you are used to.

Worked a guy last night. I was doing my usual trick of

calling CQ, twice at each of 4 or so different speeds:
7/15/22/30 WPM (Or so....)

This guy I picked up (Hey, it is like fishing!) is going along at 22 or so with me, then I get all relaxed and am sitting easy at 25 WPM, concentrating on good spacing and sharing weather and rig information.

He comes back: "Hey Ed, will QRQ, Ok? I'm falling asleep here."

OK. And we go 35 for another 10 minutes and call it a night.

I will answer a QRS CQ, because I know there is a fine person to meet at the end of that key.

And to avoid a QRQ CQ is to not trust that QRQ op to QRS.

Now start treating these hams as bro's and Sis's and get on the air with family. Don't miss an opportunity to elmer. I have yet to meet a person who couldn't teach me something. What is your gift?

-Ed

72, Ed WE6W, AR Millennium QSO's=215/2000
<http://www.qsl.net/we6w> Radio, everyday in Santa Rosa, CA
QRP-L#1068 AR#112 QRP-Z#106 ARCI:9397 Norcal#2227 QAA#006

On 27 Jan 99 22:13:00 EST Roy Lincoln <wa4dou@usa.net> writes:

>Hi Larry,

> I'll bet your figures won't fly in the real world. I wouldn't answer
>you at

>7-10 wpm because that speed is painfully slow. I'm sure i'm not the
>only one.

>73 Roy Lincoln WA4DOU-----

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Get free e-mail and a permanent address at <http://www.netaddress.com/?N=1>

Date: Fri, 29 Jan 1999 01:43:41 EST
From: Ed Loranger <we6w@juno.com>
To: qrp-1@lehigh.edu
Subject: [31323] ALC Circuit an EXTREME SUCCESS!!
Message-ID: <19990128.224233.4663.0.we6w@juno.com>

Friendly milliwatters,

The Ed-Verter 6000 is a HUGE success!

This ALC Circuit control is amazing. Imagine that!
I got an idea and it works.

Here's my data:

Applied Voltage	ALC Voltage Result
-14	-.73
-13	-.72
-12	-.72
-11	-.71
-10	-.70
-9	-.70
-8	-.69
-7	-.68
-6	-.67
-5	-.66
-4	-.65
-3	-.63

Following had a max negative voltage capability of less than -.71 which is greater than 5 watts output power, unusable with 1 Kohm current limiter in circuit.

-2	-.60
-1	-.55

This is fantastic. From -14 to -3 Volts is an 11 volt range input battery with a 100 mV effect on the ALC voltage. This is a 100:1 buffering on the battery voltage!

With the current configuration, the circuit is usable with 2.0 Volts or greater, but since batteries come in 1.5 Volt ranges, I recommend 3 volts as a minimum FRESH battery voltage. At all of the voltages from 2 to 14, the 100 Ohm trim pot could reach a -.71 to -.76 negative voltage as a maximum. So there is plenty of range to control the alc circuit.

What is the circuit?

```

      ALC -V input    0          ALC common    0
                    |            |
                    |            |
<-Voltage terminal>-----+---|<---/\ /\ /\ /\ \-----+
                        1N400   ^
                              |
                              ///             ///  


```

On the IC-730 rig, the -ALC Voltage is PIN 7. Common is Pin 8.

THERMAL ISSUES: NONE!!! I heated that diode up and got ABSOLUTELY NO change in the ALC voltage.

Time to play radio.

72, Ed WE6W, AR Millennium QSO's=224/2000
<http://www.qsl.net/we6w> Radio, everyday in Santa Rosa, CA
 QRP-L#1068 AR#112 QRP-Z#106 ARCI:9397 Norcal#2227 QAA#006
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Date: Fri, 29 Jan 1999 00:49:46 -0600

From: Jeff Johns <jeffj@scott.net>
To: qrp-1@Lehigh.EDU
Subject: [31324] General Motors and CW
Message-ID: <199901290649.AAA09391x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

I just watched a General Motors Goodwrench Plus advertisement on television and I couldn't help but giggle to myself when I saw it. Their motto is, "The plus means better." Well, since I recently upgraded from Technician to Technician Plus, does that mean I'm better <grin>?

I know, I know.... no of us is better than the other, I just thought it was humorous :)

73 Jeff

```
*----- Jeff Johns W4JEF - AMSAT# 32615 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, A0-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Fri, 29 Jan 1999 02:18:38 -0500 (EST)
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
To: Jeff <jeffj@scott.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31325] Re: silly question
Message-ID: <Pine.LNX.3.95.990129021723.25624K-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Yes = out here, we hear lots of JAs and BYs and HLs and Pacific stations at 7 a.m. below 7.025.

It's particularly important because in most of the world, the entire 40m band is 7.000 - 7.100, so CW is pretty much squished into the bottom.

Scott Rosenfeld ARS N7JI
541-346-7401 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

On Fri, 29 Jan 1999, Jeff wrote:

> On Thu, 28 Jan 1999, Scott Howell wrote:

>

> > ok, what's below 7.025. I ask cause I hear all these stations below 7.025,

>

> 7.000 to 7.025 is for Extra class where CW, RTTY and data is allowed.

>

> 73 Jeff W4JEF

>

> *----- Jeff Johns W4JEF - AMSAT# 32615 -----*

> |jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |

> | Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|

> |200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |

> *-----*

>

>

>

>

>

>

>

>

>

Date: Fri, 29 Jan 1999 02:14:20 EST

From: Ed Loranger <we6w@juno.com>

To: qrp-l@lehigh.edu

Subject: [31326] ALC Successes and what not.

Message-ID: <19990128.231441.4663.6.we6w@juno.com>

Well friends, the ALC works well. It is not as Voltage stable when under load but is very easy to set and forget.

Not a wonder circuit under load, but pretty good.

Good night.

P.S. Nice fox pelt nabbed here tonight. 4.8 Watts on the IC-730 and lots of effort!

72, Ed WE6W, AR Millennium QSO's=224/2000

<http://www.qsl.net/we6w> Radio, everyday in Santa Rosa, CA

QRP-L#1068 AR#112 QRP-Z#106 ARCI:9397 Norcal#2227 QAA#006

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 28 Jan 1999 23:09:36 -0800
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [31327] Ft. Smith, AR Hamfest
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I am looking forward to attending the Ft. Smith Hamfest and giving a talk on QRP. Thanks to Jay Bromley and the guys for the invitation. The NorCal 20 that will be raffled is being donated by NorCal to the QRPers at the Ft. Smith Hamfest. They have chosen a unique way to use it to defray the expenses that are always part of an event like this. I hope to see and meet as many of you as possible in Ft. Smith, and look forward to the event.

L.B. is isn't the Caribbean, but it is on the way from California. Grin. See you guys in the midwest in March. By the way, if you are ever in St. Louis, Dave Gauding knows every, and I mean every, good restaurant in town. 72, Doug, KI6DS

By the way, what is the specialty food in Arkansas???

Date: Thu, 28 Jan 1999 23:58:05 -0800
From: "BobWhite" <BobWhite@innercite.com>
To: <qrp-1@lehigh.edu>
Subject: [31328] Fw: Two K2 Kits sighted in El Dorado County, CA
Message-ID: <00a601be4b5d\$2e4a1000\$8c20de9e@get.accesscom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: W03B <W03B@innercite.com>
To: elecrafft@qth.net <elecrafft@qth.net>
Date: Thursday, January 28, 1999 11:44 PM

Subject: Two K2 Kits sighted in El Dorado County, CA

>Well I got back from a seven day business trip to find an email stating that
>I was scheduled to drive 160 miles down to Palo Alto for a 1 hour mandatory
>corporate finance class. But wait, here is another email saying that the
>K2's are ready to ship and that locals are welcomed to pick up their kits in
>person. What luck, Palo Alto is only 1 hour from the Elecraft QTH, (42
>minutes if you are on your way to pick up a K2).
>
>There are now two K2's in El Dorado County, CA, (not bad for a county with a
>population of only 160,000). The other lucky ticket holder is Vern, W6MMA
>of SLV coil fame. Since Vern is currently on vacation he had better hope
>that I don't have any pieces missing from my kit!
>
>I can hear you guys now. "Great, not only does W03B get his K2 before we
>do, he undoubtedly kept Eric and Wayne from getting ours out the door".
>Well it certainly was tempting to sit there with Eric and Wayne and chew the
>fat, but I was looking out for you guys. Besides I was too busy playing
>with Wayne's prototype K2 to keep them from their work.
>
>The scan function works great. I was telling Wayne how I never used the
>scan function on my TS-940 because I didn't like the way it was set up.
>Eric chimed in that he felt the same way about the scan on his TS-950. Not
>so with the K2 scan. No noise between signals with good tone on capture.
>Just what you need to search the "dead" bands while building your K2
>add-ons.
>
>Wait until you guys see the printed copy of the manual. A true work of art!
>I am thinking of framing the cover, it's that good.
>
>My first impressions are that we have a winner here folks.
>
>Why am I wasting time writing to you guys? The iron should be hot by now
>and I have a kit to build.
>
>Bob W03B
>
>
>
>
>

Date: Fri, 29 Jan 1999 03:04:50 -0500 (EST)
From: malman@world.std.com (joel malman)
To: qrp-l@Lehigh.EDU
Cc: k1qm@world.std.com
Subject: [31329] FireBall 40
Message-ID: <199901290804.AA20074@world.std.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I finished putting together my FB40 for 40 meters, but only get 5mW output. I checked the caps and made sure I had the right number of turns on the torroids. Everything seems correct, but just 5 mW of QRPp output.

Anyone also getting 5 mW on 40 meters? Anyone have a suggestion what might be wrong?

--
/joel K1QM (Ex-wa1qvm) Concord, Massachusetts
QRP-L 337, QRP-ARCI 9305, MI-QRP 1641, NorCal #1884

Date: Fri, 29 Jan 1999 04:34:58 EST
From: RangerSF5@aol.com
To: qrp-l@lehigh.edu
Subject: [31330] U.P.S WARNING
Message-ID: <ae45daae.36b180c2@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,
I'm posting this to let others know that UPS has in some areas what is known as *EXTENDED DELIVERY AREA*
At this time I will not give the name of the dealer or his call.
I sent a rig out for a trade and it was supposed to be delivered by Thursday. It was and it was on the delivery truck all day.
However, UPS had informed me that if the location is in a so called EXTENDED DELIVERY AREA the driver has the right not to deliver the package and he can do this three times in a row.
Now the person who I sent this rig to, has been aware of this but failed to

tell me untill AFTER I *E* mailed him and told him that my rig was in his City.

That's when he told me that doesn't mean i'll get it today or tomorrow, and it may be sometime next week.

I have all the letters to support my statements.

My package was to be removed from the truck, scanned and placed on another truck and returned to me..

This did not happen and now my rig will sit in the warehouse for the weekend and with luck, the brain dead will figure out how to get back to me.

So before you UPS anything out, make sure that the location is not in what UPS calls EXTENDED DELIVERY AREA because if it is, you'r rig may spend a week riding in the truck and spend a weekend in the warehouse.

There are no dates for delivery in EXTENDED DELIVERY AREAS.

It's more like DELIVERED WHEN THE DRIVER WANTS TO GO INTO THE EXTENDED AREA.

Now A word about FED/X.

If someone sends you a package and it's not insured and you'r not home, They will leave it at your door with *LEFT IN UNSECURED LOCATION* written on the box.

It happened to a couple who live a block from me.

The telephone number was on the box and that's how I was able to locate them

So call and ask before you ship because UPS isn't like it shows on the TV

Bob

WA2HOQrp <tm>

Date: Fri, 29 Jan 1999 05:27:43 -0500

From: Bruce Muscolino <w6toy@erols.com>

To: we6w@juno.com

Cc: QRP-L@LEHIGH.EDU

Subject: [31331] Re: ALC Circuit an EXTREME SUCCESS!!

Message-ID: <36B18D1F.2C8@erols.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Ed,

I'll buy it all, except your (unintentional?) taking of credit for the idea. Using the ALC input to reduce power has been done for more years than I've been in QRP. The QRP ARCI has it in their archives (by rig) for years. Otherwise, have fun.

73

Date: Fri, 29 Jan 1999 08:31:43 -0500 (EST)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-l@lehigh.edu>
Subject: [31332] Re: Fw: Two K2 Kits sighted in El Dorado County, CA
Message-ID: <Pine.LNX.3.93.990129082901.494A-100000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 28 Jan 1999, BobWhite wrote:

> >What luck, Palo Alto is only 1 hour from the Elecraft QTH, (42
> >minutes if you are on your way to pick up a K2). Bob W03B

Ahh... So now we find out the "real" reason you moved coast to coast :)

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Fri, 29 Jan 1999 06:42:02 -0600
From: "John Burnley" <burnley-ia@worldnet.att.net>
To: <IaQRP-L@divis17.ped-gen.uiowa.edu>, <qrp-l@lehigh.edu>
Subject: [31333] Iowa QRP Club Net
Message-ID: <19990129124327.KYGR8659@burnley-ppp>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Just a reminder to join us on the Iowa QRP Club net
Saturday at 13:45 utc (7:45am CST) on 3.715 Mhz.
Look for Jerry (WB0T) who will be net control.

72/73, John NU0V

Date: Fri, 29 Jan 1999 06:18:48 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Steve Sorrell <ap036@detroit.freenet.org>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31334] Re: Chosen one
Message-ID: <Pine.BSI.3.96.990129061516.18506B-100000@usr04.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Steve,

Sounds like you've got lost of time on your hands, so here's my suggestion: Go to all the junk yards you can think of and pull out any and all tube-type radios that you can find. Borrow some older handbooks and learn the basics of electronics, then use the parts from the discarded radios, etc., to build your own rig.

That's what I did in high school in the late 60's. I had no money except for a paper route that brought in about \$15 a month.

On Fri, 29 Jan 1999, Steve Sorrell wrote:

```
>
> In reading posts about who is deserving of a free or discounted rig, I
> discovered that I should be chosen. Here are my reasons:
> First: I'm retired, no income. SS doesn't kick in till I'm 62 and I'm only
> 58 now. Can't use my pension money cause I'm not 59 1/2, so I'd be penalized
> for withdrawing any money to buy a rig.
>
```

[illegible]

Circuit Design for the RF Impaired

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly
QRP ARCI 9464

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

Date: Fri, 29 Jan 1999 05:58:59 -0800
From: David Shalita <af389@lafn.org>

To: "Ham-Homebrew@ucsd.edu" <Ham-Homebrew@ucsd.edu>
Cc: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [31335] re:Spice-y Oscillators
Message-ID: <36B1BEA3.81175259@lafn.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

> maddog@io.com (Monty Northrup) wrote:
>
> I've recently been exploring the value of using Spice Simulation
> programs for developing RF circuits.
>
> But I've had lots of unhappy results with simulating oscillators at HF
> frequencies (mostly 3.5 - 20 MHz). When observing the graphical
> analyses of the output of several proven Colpitts oscillator designs
> using BJTs (2N2222's), the frequency looks to be approximately as
> expected, but the waveform envelope observed over say, 1000-2000
> cycles, looks more like a badly modulated A.M. signal.

I have seen the exact same "badly modulated A.M. signal".
with two different SPICE programs during transient simulation.

Am I choosing ".tran" command parameters wrong? Step size?

If a SPICE analysis "false alarm", how can we prevent?

73, W6MIK

--

David Shalita (Dave)
af389@lafn.org
Van Nuys, CA

Date: Fri, 29 Jan 1999 09:06:37 -0500
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-1@lehigh.edu>
Subject: [31336] Novelty QRP Contest Web Page
Message-ID: <016601be4b90\$96d3f680\$485445c6@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Anyone have the location for the rules? I want to make sure

I send in my log the correct way.

Thanks,
73 & Good DX
Ron de WB3AAL
wb3aal@talon.net

vvv Eastern Pennsylvania QRP Club Web Page vvv
http://www.kpsnet.com/wb3aal/Start_Page.htm
Eastern Pennsylvania QRP#1
Eastern Pennsylvania QRP Club Call---> N3EPA

Date: Fri, 29 Jan 1999 08:12:16 -0600
From: applitech@mcg.net (Claton Cadmus)
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [31337] Re: ALC Circuit an EXTREME SUCCESS!!
Message-ID: <045c01be4b91\$86f99fc0\$a10a5e2c@groucho>

Bruce,

I believe Ed was taking credit for the cute little ALC control circuit he devised. Not controlling the power output via the ALC input. At least that's how it reads to me quoting Ed's message below.

"This ALC Circuit control is amazing. Imagine that! I got an idea and it works."

73 de Cla KA0GKC

----- Original Message -----
From: Bruce Muscolino <w6toy@erols.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Friday, January 29, 1999 4:27 AM
Subject: Re: ALC Circuit an EXTREME SUCCESS!!

>Ed,
>
>I'll buy it all, except your (unintentional?) taking of credit for the
>idea. Using the ALC input to reduce power has been done for more years
>than I've been in QRP. The QRP ARCI has it in their archives (by rig)
>for years. Otherwise, have fun.
>
>73
>

Date: Fri, 29 Jan 1999 09:23:39 -0500 (EST)
From: bkobie@webtv.net (patrick obrien)
To: qrp-1@lehigh.edu
Subject: [31338] UPS
Message-ID: <29813-36B1C46B-135@mailtod-142.iap.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)
Content-Transfer-Encoding: 7Bit

RIGHT ON BOB, I DONT USE THEM ANYMORE...
TRY TO CALL THEM TO GET INFO...YOU GET CUTSHORT...
MY XCVR HIT THE WAREHOUSE DEC 29TH, IT WAS DELIVERED JAN 10TH...
...BYE BYE UPS....73 PAT/K8LEN

Date: Fri, 29 Jan 1999 07:26:15 -0700
From: Bruce Kizerian <kizerian@ced.utah.edu>
To: af389@lafn.org, qrp-1@Lehigh.EDU
Subject: [31339] Re: Spice-y Oscillators
Message-ID: <36B1C507.12D1554E@ced.utah.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

David

Don't have the answer to your specific problem, but after using various versions of Spice for years I have reached a few conclusions.

1. Spice models are generally inadequate. They could make them more accurate but simulation time would go way up.
2. Spice will often tell you that a circuit won't work that will and a circuit that will work won't.
3. You can tweak with it and get better results. Talk to someone who does IC design. They are often well versed in the legitimate uses of Spice.

4. Some Spice software converges better than others. Pspice is particularly good but expensive.

5. I usually use Spice to gain an understanding of how fairly basic circuits work. I also break up more complicated designs and simulate them in smaller segments.

6. The best simulation technique is still breadboarding. There is no substitute for it and probably won't ever be. Sooner or later you must do your programming and simulation with solder and wire.

I still enjoy using Spice. I have learned a lot of good things from it, but I have learned when to log off the computer and pick up a soldering iron.

Hope this helps.

Bruce kk7zz

David Shalita wrote:

```
> > maddog@io.com (Monty Northrup) wrote:
> >
> > I've recently been exploring the value of using Spice Simulation
> > programs for developing RF circuits.
> >
> > But I've had lots of unhappy results with simulating oscillators at HF
> > frequencies (mostly 3.5 - 20 MHz). When observing the graphical
> > analyses of the output of several proven Colpitts oscillator designs
> > using BJTs (2N2222's), the frequency looks to be approximately as
> > expected, but the waveform envelope observed over say, 1000-2000
> > cycles, looks more like a badly modulated A.M. signal.
>
>         I have seen the exact same "badly modulated A.M. signal".
>         with two different SPICE programs during transient simulation.
>
>         Am I choosing ".tran" command parameters wrong? Step size?
>
>         If a SPICE analysis "false alarm", how can we prevent?
>
> 73, W6MIK
> --
> David Shalita (Dave)
> af389@lafn.org
> Van Nuys, CA
```

Date: Fri, 29 Jan 1999 09:29:13 -0500
From: "Jim Francoeur KC1FB" <jrfrancoeur@snet.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [31340] Re: FireBall 40
Message-ID: <009c01be4b93\$c30f7b40\$dbfa3d03@jimfrancoeur>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

I finished mine two days ago and get 6 mW out on 40. My toroids measure = 1.4 uH on my RF-1 which looks good when I do a SPICE model. Tried a = number of 74LS74's in the circuit with no real change. Maybe I need a = FF with more drive capability.

Jim Francoeur - KC1FB QRP-L #29, QRP-ARCI#6281
Norwalk, CT

-----Original Message-----

From: joel malman <malman@world.std.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Friday, January 29, 1999 3:09 AM
Subject: FireBall 40

>I finished putting together my FB40 for 40 meters, but only get 5mW
>output. .
>
>Anyone also getting 5 mW on 40 meters? Anyone have a suggestion what
>might be wrong?
>
>--=20
>/joel K1QM (Ex-wa1qvm) Concord, Massachusetts
>QRP-L 337, QRP-ARCI 9305, MI-QRP 1641, NorCal #1884
>

Date: Fri, 29 Jan 1999 09:35:16 -0500
From: "Ken & Linda Burrough" <ne0c@1st.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [31341] Fw: U.P.S WARNING
Message-ID: <000b01be4b94\$ab3e9180\$c106f0d1@ne0c.1st.net>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-4"

Content-Transfer-Encoding: quoted-printable

Content-Transfer-Encoding: quoted-printable

HI Gang

I just sent this to UPS--Time will tell what they have to say.

Ken/ne0c

USAF Retired

Flushing, Ohio

ne0c@1st.net

-----Original Message-----

From: Ken & Linda Burrough <ne0c@1st.net>

To: customer.service@ups.com <customer.service@ups.com>

Date: Friday, January 29, 1999 9:32 AM

Subject: Fw: U.P.S WARNING

I am forwarding this posting to you for comment. I ship via UPS, all of =
my Amateur Radio Equipment, either to trade with others or send =
equipment to manufacturer's repair centers. Can my equipment stay on one =
of your trucks as reported in this posting? If this is true, what can I =
do to insure my equipment does not stay on your trucks but is delivered =
in a timely manner?

Thank You

Ken/ne0c

USAF Retired

Flushing, Ohio

ne0c+AEA-1st.net

-----Original Message-----

From: RangerSF5+AEA-aol.com +ADw-RangerSF5+AEA-aol.com+AD4-

To: Low Power Amateur Radio Discussion +ADw-qrp-1+AEA-Lehigh.EDU+AD4-

Date: Friday, January 29, 1999 4:33 AM

Subject: U.P.S WARNING

+AD4-Gang,

+AD4-I'm posting this to let others know that UPS has in some areas what =
is known
+AD4-as +ACo-EXTENDED DELIVERY AREA+ACo-
+AD4-At this time I will not give the name of the dealer or his call.
+AD4-I sent a rig out for a trade and it was supposed to be delivered by =
Thursday.
+AD4-It was and it was on the delivery truck all day.
+AD4-However,UPS had informed me that if the location is in a so called =
EXTENDED
+AD4-DELIVERY AREA the driver has the right not to deliver the package =
and he can
+AD4-do this three times in a row.
+AD4-Now the person who I sent this rig to,has been aware of this but =
failed to
+AD4-tell me untill AFTER I +ACo-E+ACo- mailed him and told him that my =
rig was in his
+AD4-City.
+AD4-That's when he told me that doesn't mean i'll get it today or =
tomorrow,and it
+AD4-may be sometime next week.
+AD4-I have all the letters to support my statements.
+AD4-My package was to be removed from the truck,scanned and placed on =
another
+AD4-truck and returned to me..
+AD4-This did not happen and now my rig will sit in the warehouse for =
the weekend
+AD4-and with luck,the brain dead will figure out how to get back to me.
+AD4-So before you UPS anything out,make sure that the location is not =
in what UPS
+AD4-calls EXTENDED DELIVERY AREA because if it is,you'r rig may spend a =
week
+AD4-riding in the truck and spend a weekend in the warehouse.
+AD4-There are no dates for delivery in EXTENDED DELIVERY AREAS.
+AD4-I'ts more like DELIVERED WHEN THE DRIVER WANTS TO GO INTO THE =
EXTENDED AREA.
+AD4-Now A word about FED/X.
+AD4-If someone sends you a package and it's not insured and you'r not =
home,
+AD4-They will leave it at your door with +ACo-LEFT IN UNSECURED =
LOCATION+ACo- written on
+AD4-the box.
+AD4-It happened to a couple who live a block from me.
+AD4-The telephone number was on the box and thats how I was able to =
locate them
+AD4-So call and ask before you ship because UPS isn't like it shows on =
the TV
+AD4-Bob
+AD4-WA2HQrp +ADw-tm+AD4-

+AD4-

Date: Fri, 29 Jan 1999 07:35:38 -0700
From: KORWC <rwc@frii.com>
To: whowell@hq.nasa.gov, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [31342] Re: silly question
Message-ID: <3.0.5.32.19990129073538.008444e0@mail.frii.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

7000 - 7025 is reserved for Extra class license Amateurs, CW. ARRL pubs should have that info, the Extra Lic. Study Guide does for sure. Part 97 of the FCC regs. probably have it too.

Also check out www.icomamerica.com for their Frequency charts. Those charts have that info. HRO & other suppliers have those charts in rugged plastic coated paper. Good shack accessory.

-rc-

At 10:55 PM 1/28/99 -0500, you wrote:
>ok, what's below 7.025. I ask cause I hear all these stations below 7.025,
>but looking at my chart of freqs available to Generals and Advanced I see
>they have the same access.
>So, is this for Extras? Who has the info on what Extras get. I looked in my
>study guide and couldn't find the info and wanted to add that to the chart
>for reference.

>
>tnx es 72/73 de Scott/n3byy
>Fists #5030
>Laurel MD
>
>ps don't laugh.
>
>

72/3 KORWC
Rod Cerkoney, QRP-L #1764.
Fort Collins, CO
da di dah

Date: Fri, 29 Jan 1999 06:44:24 -0800 (PST)

From: John Scott <kk5vh@yahoo.com>
To: Bob Painter <qrp-1@Lehigh.EDU>
Subject: [31343] [31172] off topic - WTB Microsoft Office '95
Message-ID: <19990129144424.8997.rocketmail@send106.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Bob

Check E-Bay they have been going for < \$30. There is lots of software that are still in the shrink wrapped box there. I just won the bid on a full up version of Visual Basic 6.0..

John KK5VH
kk5vh@yahoo.com
P.S. My Norcal 20 arrived yesterday also. (read.. read... read... inspect....inspect... gloat!) ;-]

DO YOU YAHOO!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Fri, 29 Jan 1999 09:45:51 -0500 (EST)
From: James Skalski <jskalski@buffnet.net>
To: patrick obrien <bkobie@webtv.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31344] Re: UPS
Message-ID: <Pine.LNX.4.03.9901290934470.710-1000000@valhalla.valhalla.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Holidays are a bad time to take a package to UPS. There are very few days that they are closed. You picked some of them. They will then take 5 *business* days to deliver the package. Your timing is important. A backlog of holiday packages will delay things. The only time I had a package damaged was during the holidays when they had a lot of temporary help and increased work load.

In all I think they provide excellent service. I am able to track my packages on their website. Once I was checking to see where a package was and the website told me that it was in my garage. It was left just inside the garage door. Sure enough, I missed it when I came into the house :-)

As far as price, they are the best. I wouldn't carry something across town much less across the country for what they charge.

The same is true of the post office. I was in line and an Old Timer was crabbing about the 1 cent stamp needed to deliver a letter. I told him that it was a bargain. *I* wouldn't carry a letter across the *street* for 34 cents. He went on to crab about the long lines :-)

73,

Jim N2go

Date: Fri, 29 Jan 1999 08:45:40 -0500
From: W5TB <w5tb@SoftHome.net>
To: dx-qs1@qth.net, lowpowerdx@egroups.com, qrp-1@Lehigh.EDU
Subject: [31345] easy & inexpensive DX QSLS
Message-ID: <v04011704b2d769f30398@[10.4.12.8]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang --If you want a easy inexpensive way to obtain your DX QSLS and not in a big hurry, check out THE WF5E DX QSL SERVICE

1.It is a forwarding service directly to 2000+ active dx stations and managers or to qs1 bureaus for less active stations -- to obtain your qs1's at a rate of 5 cards for \$1.

2. It saves the hassle of you finding out who to qs1 to and sending out your own sase's, green stamps, etc.

Check it out at

<http://www.qs1.net/wf5e/>

I have nothing invested here -- just a happy customer :-)

73 T.E. 'Doc' Drake W5TB

Arlington, TX w5tb@softhome.net <http://www.qsl.net/w5tb/>
QRP-ARCI # 3252 NORCAL #1002 QRP-L #673 FISTS # 5365
ARRL Life Member

Date: Fri, 29 Jan 1999 09:52:24 -0500
From: "Richard Brummer" <obvious@bestweb.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.edu>
Subject: [31346] UPS
Message-ID: <001101be4b96\$fc9edd80\$1805b3d8@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

We get good service from UPS where we live, about 50 miles north of New York City. The UPS guy knows us, probably because my wife gets so much stuff from QVC.

But the way to "speak" to UPS is by using other carriers IN VOLUME !

My \$.02

73,
Dick K2REB Mahopac, NY
obvious@bestweb.net
QRP-L #1811 FISTS #5735
Enjoying Ham Radio for 34 years

Date: Fri, 29 Jan 1999 09:52:28 -0500
From: "cdd" <cdd@bellatlantic.net>
To: <bkobie@webtv.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [31347] Re: UPS
Message-ID: <000e01be4b96\$ff677360\$0c7bc997@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

"Grouchy Old Men"

Yea transceivers are a matter of life and death.
Gee maybe I should make sure ups stays away from the wife's drug deliveries.

I thought this list was about QRPing and fun, not whining about stupid silly issues, these kinds of threads seem to take on a life of there own, a waste of time and energy, I mean really, "I AM MAD AS A HELL" and here's why. And people worry about ham radio vanishing..... Curt/K3ivb

-----Original Message-----

From: patrick obrien <bkobie@webtv.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Friday, January 29, 1999 9:32 AM
Subject: UPS

RIGHT ON BOB, I DONT USE THEM ANYMORE...
TRY TO CALL THEM TO GET INFO...YOU GET CUTSHORT...
MY XCVR HIT THE WAREHOUSE DEC 29TH, IT WAS DELIVERED JAN 10TH...
...BYE BYE UPS....73 PAT/K8LEN

Date: Fri, 29 Jan 1999 08:47:05 -0600
From: applitech@mcg.net (Claton Cadmus)
To: "QRP-l" <qrp-l@lehigh.edu>
Subject: [31348] PSK31 Soundcards and Roundtable
Message-ID: <04df01be4b97\$7f5b7e40\$a10a5e2c@groucho>

I've been following the PSK31 discussion, downloaded the software, and it appears to work fine with my soundcard. I'm really hot to give this a try. Maybe this weekend. All I need to do is throw together some cables and find some QSO's (see last paragraph).

I know a lot of other QRP-L'ers will want to try this and many have no soundcard. Based on the response to my post requesting a modem I was wondering if there isn't a similar stash of sound cards lurking in the junk boxes among us. So I'm asking all you computer card hoarders like me to check around and see what you've got. Now to keep the QRP-l from be swamped with soundcard messages, please email me with what you've got and what you need for it. Use "Soundcard Pool" as the subject of your message so I can filter them into a separate folder. Also include as much info as

you can, manufacturer, model number, if you have docs and drivers etc. So let's start here and see what we've got to share with our fellow QRP-ers.

Now, I'm a Tech+ so trying this PSK31 stuff out is a little hard unless I want to just listen. (I'm working on upgrading) I have a proposal. Let's setup a weekly PSK31 get together Sundays on 28.125. Novices and Tech+'s can use this mode there and the 10 meter band is getting good again and with decent conditions should be coast to coast or better. What do you say??

73 de KA0GKC Claton Cadmus

cla@mcg.net

MNQRP #1

Minnesota QRP'ers we're looking for you!

Email me or visit this page <http://www.qsl.net/mnqrp>

Date: Fri, 29 Jan 1999 08:24:52 -0600
From: applitech@mcg.net (Claton Cadmus)
To: "QRP-1" <qrp-1@lehigh.edu>
Subject: [31349] Re: Wanted Older Modem
Message-ID: <04de01be4b97\$7e4ef040\$a10a5e2c@groucho>

Please no more offers! I wish to thank all of you for the flood of replies offering to help with the modem. This group is fantastic. I have tried to personally reply to all your kind email but I may have missed a couple so please accept this as my thanks. A fine modem has been found and will be installed soon in my friends machine. Thanks again to all the replied.

Please see my next post "PSK-31 Sound Cards"

73 de KA0GKC Claton Cadmus

cla@mcg.net

MNQRP #1

Minnesota QRP'ers we're looking for you!

Email me or visit this page <http://www.qsl.net/mnqrp>

Date: Fri, 29 Jan 1999 07:02:57 PST
From: "Christopher Brewster" <brewsq@excite.com>
To: qrp-1@Lehigh.EDU
Subject: [31350] Re: Indoor Antennas

Message-ID: <917622177.14855.613@excite.com>
MIME-Version: 1.0
Content-Type: text/plain

I suspect a lot of these no-antenna rules mean they don't want to *see* any antennas. If you have an outdoor antenna that no one notices, I don't think they actually have a religious objection to antennas. There are lots of strategies to make them 99% invisible.

Christopher Brewster, KC0EVQ
brewsq@excite.com 612/475-0477
Plymouth, Minnesota

Thom Durfee wrote:

> Egads! I just signed a lease for a new apartment and they won't let me
> have any outside antennas. Actually I knew that in advance and as my
> main hobby is RC Airplanes it is really no big deal.
>
> My apartment building is all wood and I am on the middle floor of 3.
> QRP is definitely the way to go to keep peace with the neighbors.
>
> I am looking for designs and opinions on effective indoor antennas. My
> primary bands are 40-10 meters.

Get your free, private email at <http://mail.excite.com/>

Date: Fri, 29 Jan 1999 10:10:32 -0500
From: Michael Tracy <mtracy@arrl.org>
To: qrp-l@lehigh.edu
Subject: [31351] Re: Indoor Antennas
Message-ID: <36B1CF68.CC9F600C@arrl.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

For what it is worth, there was a 7th issue of ConCom that doesn't appear on this page. A text version of it can be found at:

<http://www.arrl.org/files/infoserv/techmisc/concom7.txt>

72, Michael Tracy, KC1SX

Doc, W5TB wrote:

> The Condo Communicator -- a newsletter directed toward helping hams
> ...
> <http://www.uga.edu/~barc/ccindex.html>

Date: Fri, 29 Jan 1999 10:15:41 EST
From: W2my@aol.com
To: qrp-1@lehigh.edu
Subject: [31352] Seeking Quality Recognition Program Award Nominations
Message-ID: <ae45d865.36b1d09d@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi all,

I administer the Quality Recognition Program for the QRP-ARCI. We are constantly looking for nominations for this award. I'm sure we all know Hams that deserve a "thank you" and this is an excellent way to show your appreciation for what they have done for the hobby. It does not have to be a great thing that they've done or accomplished; that's what the Hall of Fame award is for. So please spend a few minutes and fill in the following form, and help publicize the good things that people have done for our hobby. I personally make each award, and they are gorgeous, better than the contest awards that I make, and some of you might have gotten, from the QRP-ARCI.

This info is also available at: WWW.QRPARCI.ORG.

Also, I have been trying to publicize this award for some time but have not been as successful as I had hoped for. Please feel free to circulate this e-mail to other QRPers, Newsletters etc. As long as you don't modify it, I would appreciate any PR that you could generate for this worthy program.

Thanks everyone,

Steve Pituch, W2MY

Welcome to the QRP ARCI
Quality Recognition Program Resource Page

--

What is It?

The QRP-ARCI's purpose for implementing this program is to recognize QRPers for their contributions to the QRP hobby through the presentation of a special award. This award is meant to complement the QRP-ARCI Hall of Fame (HOF) Program. Whereas the HOF recognizes lifetime achievements, this award is meant to recognize, and publicize, the shorter-term achievements that help the QRP movement. By way of this award, the QRP-ARCI hopes to encourage others to experience the joys of QRP operation, and to encourage similar helpful contributions.

--

Source of Nominations

Nominations shall be solicited from all QRPers.

--

Award Presentation Dates

The primary award presentation ceremony will be at the Dayton Hamvention, but other times are possible as deemed appropriate.

--

Award Categories

There will not be any standard award categories that must be awarded. Awards will be given on a repetitive basis only if there are recipients nominated that deserve the award. Some awards will be unique and given only once, because of the nominee's unique contribution. It is suggested that the word "best" should generally not be used in award category descriptions, as this denotes that only one person ever deserves recognition. Hard working QRPers who are performing a valuable service to our hobby, but their work is not considered the "Best" of a category, certainly deserve to be considered for this award. The word "outstanding" is used below in some suggestions, but any words describing excellence, or the qualities of the particular contribution are acceptable. These are only suggestions.

Outstanding QRP-ARCI Contestor

Outstanding Technical Article (not a column)

Outstanding non-Technical Article (not a column)

Outstanding Club Kit

Outstanding QRP Design

Excellence in Newsletter Publishing

Outstanding Technical Web Site

Outstanding General QRP Web Site

Outstanding QRP Elmer

--

Voting Body

For the purpose of approving award nominations, each QRP-ARCI B.o.D. member shall have one vote. A two-thirds majority of those casting votes is required to approve an applicant for an award. Therefore, 4 aye votes are required to approve an applicant.

--

Quality Recognition Program Form

Nomination Form

It is encouraged that the following form be used for nominations. However, a letter to the chairperson is sufficient if ALL of the necessary information is supplied. You can send a nomination to the chairman via e-mail, or snail mail. If you use snail mail, please include 2 units of postage. This will allow the chairperson to confirm to you receipt of the nomination, and to later notify you of the voting results.

Send all nominations to:

Steve Pituch, W2MY

Quality Recognition Program Chairperson

20603 Prince Creek Drive

Katy, TX 77450

w2my@aol.com

--

Quality Recognition Program Nomination Form

Sponsor's Information

Name: _____ Call: _____

Street1: _____

Street2: _____

City: _____ State: __ ZIP: _____

Country: _____

E-mail address: _____

--

Nominee's Information

Name: _____ Call: _____ Sex: M / F

Street1: _____

Message-ID: <199901291521.IAA21230@usr05.primenet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

(cc: QRP-L)

Howdy again Dave,

(Hope you don't mind if I cc: QRP-L. If you do,
please accept my apologies, and I owe you a pizza. :)

> So a Multi-op team (for Multi-Single) consists of multiple ops (duh!), each
> with one transmitter on the air using his/her own call sign? Then how do
> you figure the team score at the end?

Nope, a Multi-Single team consists of multiple ops,
all sharing the *same* callsign, using a *single* xmtr
for that callsign.

That's opposed to a Multi-Multi operation, where
multiple ops are sharing the *same* callsign, and
each of them are sitting on different bands using
different radios *simultaneously*.

At least that's my take on it. :)

> Also, you lost me when you said Multi-Single evens the field. Care to
> explain?

Sure! A Multi-Single is only allowed that one xmtr
to be active with the shared callsign. A Multi-Multi
can have several xmtrs active at the same time using
that shared callsign. Obviously the Multi-Multi has
the edge here, since they're simultaneously logging
QSOs on multiple bands.

So if someone fielded a 6-band Multi-Multi team,
odds are the Multi-Single teams (who are limited to
one xmtr) would be crushed.

> Sorry if I'm being stupid -- thanks for your patience.

Not stupid at all! I probably muddled things when I

mentioned other Multi-ops using their *own* callsigns to get on the air during FYBO. See, when they use their *own* callsigns, they're not operating as the designated Multi-Op station, so they can fire up another xmtr and play on the air without violating the Multi-Single rule. Puts more callsigns on the air and keeps the ops warmed up. :)

Hope this helped. Please let me know if I only muddled the waters even further. :)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

FYBO Winter QRP Field Day - Feb 6th - See <www.extremezone.com/~ki7mn>

Date: Fri, 29 Jan 1999 07:28:12 PST
From: "Christopher Brewster" <brewsq@excite.com>
To: qrp-1@Lehigh.EDU
Subject: [31354] Semi-QRP: low current use
Message-ID: <917623692.7276.121@excite.com>
MIME-Version: 1.0
Content-Type: text/plain

A few days ago I asked a flurry of questions and obscured my real question. My main interest in QRP isn't so much sending a low signal (though I'm sure I'd enjoy the challenge with more experience) as it is using as little power as possible. A 20 or 30W signal would be fine with me as long as I wasn't drawing too much current. [My battery bank for solar power is pretty hefty, actually, but the less power I use, the longer I can be on the air; plus there will be a few lights using this power.]

So I'm wondering what are good sets in this compromise area. I was thinking that sets made for mobile use might use power in a more "thrifty" way than sets made for home use. Like a previous poster, I was interested in a PatComm model in Feb. CQ, as well as a couple of others advertised. One was from Alinco. Any info or opinions on this type of set would be appreciated.

Christopher Brewster, KC0EVQ
brewsq@excite.com 612/475-0477
Plymouth, Minnesota

Get your free, private email at <http://mail.excite.com/>

Date: Fri, 29 Jan 1999 07:32:48 -0800
From: "Roger A. McCarty" <rmccarty@earthlink.net>
To: <obvious@bestweb.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [31355] RE: UPS
Message-ID: <000401be4b9c\$a02df3a0\$a805b2d1@rmccarty.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Qvc? argh, shutter.

I employed a device similar to "Child Guard" on my Tele, I call it the "Wife Guard". Immediately switches to ESPN whenever the channel for QVC is selected. Amazing how many times over it has paid for itself.

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of
> Richard Brummer
> Sent: Friday, January 29, 1999 6:52 AM
> To: Low Power Amateur Radio Discussion
> Subject: UPS
>
>
> Gang,
>
> We get good service from UPS where we live, about 50 miles north
> of New York
> City. The UPS guy knows us, probably because my wife gets so much stuff
> from QVC.
>
> But the way to "speak" to UPS is by using other carriers IN VOLUME !
>
> My \$.02
>
> 73,
> Dick K2REB Mahopac, NY
> obvious@bestweb.net

> QRP-L #1811 FISTS #5735
> Enjoying Ham Radio for 34 years
>
>
>

Date: Fri, 29 Jan 1999 10:41:27 +0000
From: "Benjamin F. Poinsett" <benmail@erols.com>
To: qrp-l@lehigh.edu
Cc: benmail@erols.com
Subject: [31356] Re: Bench RF signal generator--when?
Message-ID: <36B1904F.1614@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I am an owner of a MFJ-259 (not the MFJ-259B). I have used it as a RF Signal Generator to align my rigs. It's not that stable, but it can be used to do the job.

I tried to get a schematic diagram of this unit -- with no luck. Does anyone have a schematic diagram for this unit. I was thinking that there might be a way to modify the unit to make it more stable?

The MFJ-259 is a versatile unit. I also use it as a frequency counter. One caveat -- it is limited to low level signals. Of course it works well as an antenna analyzer.

Overall, I like the unit. Maybe with mods it would be even better? Has anyone tried to modify this unit?

Ben Poinsett, K3BP
Bethesda, MD

Date: Fri, 29 Jan 1999 10:47:19 -0600
From: "J. W. (Dub) Thornton" <dub@oklahoma.net>
To: qrp-l@lehigh.edu
Subject: [31357] Learning Code: was Kits for New Hams, my thoughts
Message-ID: <199901291553.JAA23178@ultra5.oklahoma.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Doug & crew:

>I also want to comment on learning the code and the CD.=A0 I suggest that=
it
>be produced with 20 WPM characters and 5 WPM spacing.=A0 The purpose of the
>fast character speed is so that you don't have to relearn the "sound" when
>you want to increase your speed.=A0 I disagree with Mr. Muscolino, code=
should
>be learned at a fast character speed.=A0 Maybe Chuck, Dave Yarnes, Dub
>Thornton and other high speed guys would like to comment on this.=A0 72,=
Doug,
>KI6DS

I do agree with and recommend learning code at the faster character, wider
spacing method.=20
Not having to relearn the sound with each bump upwards in speed is a plus, &
the more we use it, the faster we recognize the sounds, thus the less=
spacing
required, until we reach that magical 20WPM or so. At higher speeds,=
standard
character speed/spacing should be used.

I cut my teeth on the railroad in the fifties, where the bug was king, along
with a few handkeys. No such kriter as a paddle/keyer, or keyboard. The
only
feasible way to slow the bug down for the slower ops was to leave the=
weights
set as they were, and leave wider spacing between characters. Worked like a
charm! This method has been around a long time.

I have seen the opinion expressed that "on the air" was a poor place to=
obtain
code practice. While this may be true, if your only objective is to be
able to
sit down in front of a tape and pass a code test, I would strongly disagree
with this idea of learning. "On the air" is the real world. This is where
you
are going to be using what you are learning, and you CAN learn to copy all
those "less than perfect" fists. I cant think of any quicker way to
discourage
a new ham, than to have them study code strictly from a tape, get that
ultimate
"EXTRA CLASS" ticket, get on the air, and find he/she cant copy half of=
what
they are hearing, because it is not letter perfect code. I am truly=

thankful
for my opportunity to learn code as I did, where the fists ran the gamut=
from
near perfect to near unreadable, but you either copied them, or picked up=
your
bug and went to the house. I hear very little on the air that I cannot copy
today, and I still love it all, good and bad. "72"

J. W. (Dub) Thornton WA5YFY
Minco, OK.

Date: Fri, 29 Jan 1999 10:46:47 -0500
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [31358] Hey new lower price! - FS: MFJ-9030 30M CW Rig
Message-ID: <199901291550.KAA33660@pimout1-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi gang,

I have for sale an MFJ-9030 30M rig for \$105, shipped CONUS

Please let me know if you're interested and thanks.

72 Kevin N2T0
Brooklyn, NYC
kfglynn@prodigy.net

Date: Fri, 29 Jan 1999 10:54:58 -0400
From: Greg Weinfurtner <weinfurt@oak.cats.ohiou.edu>
To: qrp-l@Lehigh.EDU
Subject: [31359] 160 meter contest this weekend!
Message-ID: <v03110704b2d76cbf6a62@[132.235.81.68]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

This is a chance to get some needed states/dx on 160. Conditions
should be pretty good, hopefully noise levels will be down. There is a QRP

category, so tune up the bedsprings, eave troughs, what-ever antenna you have and have at it! Starts at 5:00pm Friday here in Eastern Standard timezone.

Good luck!

NS80

CQ World-Wide 160 Meter DX Contest

CW: 2200Z January 29 to 1600Z January 31
SSB: 2200Z February 26 to 1600Z February 28

- | | |
|---------------|--|
| I. Objective | The objective of these contests is for amateurs around the world to contact other amateurs in as many U.S. states, Canadian provinces, and countries as possible on the 160 meter band. |
| II. Classes | Single and multi-operator only. Use of packet, a spotting net, or logging assistance makes an entry multi-operator. Multi-operators should show the actual operator for each QSO. Under single operator there will be a designation of power level: H= power over 150 watts, L= power under 150 watts, and Q= 5 watts or less. There will continue to be only listings per state or country, but if there is sufficient activity or if a high enough score is made, then a separate certificate will be issued. Minimum score for the separate certificate is 5,000 points! Multi-operators will all be considered high power. |
| III. Exchange | RS(T) and state for USA, province for Canada, and either prefix or country abbreviation for DX. Contacts without some location indicator will be ruled invalid. |
| IV. Scoring | Contacts with stations in own country, 2 points.

Contacts with stations on same continent, 5 |

points.

Contacts with other continents, 10 points.

Maritime mobile contacts count 5 points. There is no longer any multiplier value for a maritime mobile contact.

V. Multiplier

Each continental US State (48), USA District of Columbia (DC), Canadian area (13), and DX country.

KL7 and KH6 are considered DX and not state for this contest. DX countries are DXCC plus WAE (IT, GM Shetland Islands, et al). Canadian areas include V01, V02, NB, NS, PEI, VE2, VE3, VE4, VE5, VE6, VE7, NWT, and Yukon. Do not count States and Canada as separate countries. Remember that maritime mobiles no longer count as a multiplier.

VI. Final Score

Total QSO points times the sum of all multipliers (states, VE, DX countries).

VII. Penalties

Three additional contacts may be deleted for each unacknowledged duplicate or unverified contact removed from the log.

VIII. Disqualification

A log may be disqualified for violation of amateur radio regulations, unsportsmanlike conduct, or claiming excessive duplicate/unverified contacts or false multipliers. Logs that shrink more than 5% are subject to disqualification or warning. The calls of those warned or disqualified may be printed with the results.

IX. Awards

Certificates will be awarded to the top scores in each class by state, Canadian area, and DX country. Runners-up with high scores over 100,000 may also receive certificates. Low power or QRP entries may also receive certificates if there is sufficient activity or the scoring is outstanding. The following plaques, with donating sponsors as indicated, will be awarded for exceptional efforts.

- X. Intercontinental DX Window 1830 to 1835 khz should be left clear for DX stations for intercontinental QSOs in both contests. This is still voluntary but essential if the contest is to continue to attract rare DX as entries. USA, Canadian, and European stations should refrain from using the window for local contacts. Please stay away from the window edges, too. This is a gentleman's contest and band, so let's help make intercontinental contacts happen.
- XI. Computer Logging Please send us your computer disk. IBM, MS-DOS compatible disks are encouraged. The format we prefer is your CT.bin or NA.bin file. If you use a program different from the one mentioned above, the generic format should contain a vertical single column of calls in chronological order. The committee will require, on request, a disk for any possible high score, provided that the paper log or dupe checking material as originally submitted was a computer printout. The outside of the disk should be clearly labeled with the call of the entrant, the files included, the mode (CW or SSB), and the category. Disks must be accompanied by a paper log or are subject to penalties or disqualification.
- XII. Manual Logs Sample log and summary sheets may be obtained from CQ by sending a large SASE with sufficient postage to cover your request. You can make your own with 40 contacts per page with columns for GMT, exchanges, multiplier, and points.
- XIII. Dupe/Check Sheets All logs over 200 contacts must provide a check sheet or dupe list. A check sheet or dupe list is a list of all calls in alpha sorted order.
- XIV. For All Logs Show the multiplier only the first time it is worked. Each page must have sub-totals for multipliers, contacts, and points. A running total below the sub-total on each page is recommended. Dupe or check sheets with every entry are requested and are required with over 200 QSO's. Include a summary sheet with your entry showing the scoring and other essential

information. Include a printed name/mailling address and a signed declaration that all rules have been observed. Please put the summary sheet at the front of the log. All logs should clearly indicate total multiplier, W/VE multiplier, and DX multiplier.

XV. Club Competition

Any club that submits at least three logs can enter the Club Competition. The name of the club must be clearly identified under club competition on the summary sheet. Club competition is a "for fun" competition to foster more activity. There is a seperate listing for the club scores.

XVI. Log Submissions

Mailing deadline for CW entries is February 28, 1999, and March 31, 1999 for the SSB section. Exception: You may send both logs in one package as long as the CW log is received by March 31, 1999. Try to mail early to assure receipt. For a return receipt enclose an SASE or SAE with postage or 1 IRC. Avoid the registered postal route, as this delays getting the log until someone can sign the receipt! Finally, proof read your log before submission. Each year many errors are corrected that you should catch! Logs or sections of a log that are unreadable will be disqualified.

Send all logs to:

160 Meter Contest Director
David L. Thompson, K4JRB
4166 Mill Stone Court
Norcross
GA, 30092
USA

Please indicate CW or SSB on the envelope.

e-mail to cq160@contesting.com

E-mail logs should include the summary (.sum),

the log (.all or .log or any ascii text listing), and the dup list (.dup).

Update: 12/30/98

Date: Fri, 29 Jan 1999 11:01:35 -0500
From: Hank Kohl K8DD <k8dd@contesting.com> (by way of Hank Kohl K8DD <k8dd@contesting.com>)
To: qrp-l@lehigh.edu
Subject: [31360] Dayton Hamvention 1999 Rooms
Message-ID: <4.1.19990129110102.00a68a40@192.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

It's time to put in for vacation for the 1999 Dayton Hamvention!
May 14, 15, 16, 1999.

Add May 13 for the FDIM QRP extravaganza
(<http://www.qrparci.org/fdim99.html>)

QRP-ARCI has a block of rooms (<http://www.tir.com/~k8dd/dids.htm>) and the list has been started with the previous attendees and speakers at the FDIM.

The rooms are \$72 per night + taxes. No extra charges for extra people in the room. As motel/hotel rooms go for \$72 per night (+ taxes) Hamvention weekend, it's not the lowest and it is, by a lot of dollars, not the highest, but it is THE location for QRP.

Yes, it is still at Days Inn South in Miamisburg, south of the HARA Arena about 15 - 20 minutes depending on your route. Yes, we have a promise of hot water in all the rooms this year.

And we have a lot of rooms available. To get one of the rooms in the QRP-ARCI block at the home of the QRP Awards Banquet, the FDIM Symposium, the FDIM Vendor Social and everything that happens in QRP at Dayton, I need the following:

Name:
Callsign:
Which Nights:
Nr of Beds:

Smoking Y/N:

Home Phone:

Work Phone:

E-mail:

Room confirmations will take place in February or March 1999.

73 Hank K8DD

*/ Hank Kohl K8DD k8dd@contesting.com
*/ ARRL TS http://www.tir.com/~k8dd
*/ MI-QRP - Vice Pres. QRP-ARCI - Director
*/ G-QRP ARRL/LM QCWA/LM QCAO/LM

Date: Fri, 29 Jan 1999 10:59:47 -0500
From: Hank Kohl K8DD <k8dd@contesting.com>
To: qrp-l@lehigh.edu
Subject: [31361] MI QRP Club First Sat. Breakfast Meeting
Message-ID: <4.1.19990129105902.00ac33d0@192.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

[Forwarded to me from K8JR0]

Due to the fire at Kountry Kettle, the Feb. "First Saturday of the Month QRP breakfast" will be held at Walli's East. The group meets about 9:30/10:00 AM.

Exit I-69 at Center Rd. and travel south. Walli's is on the east side of the road just south of Lapeer Rd. It is a smoke free facility. If you have any other suggestions I would like to hear from you.

The Center Rd. Exit is just east of the Dort Hwy. exit.

73,
K8JR0

*/ Hank Kohl K8DD k8dd@contesting.com

*/ ARRL TS <http://www.tir.com/~k8dd>
*/ MI-QRP - Vice Pres. QRP-ARCI - Director
*/ G-QRP ARRL/LM QCWA/LM QCAO/LM

Date: 29 Jan 1999 11:03:35 -0500
From: Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
To: af389@lafn.org, qrp-l;;
Subject: [31362] re:Spice-y Oscillators
Message-ID: <1999Jan29.110335-0500@[130.113.234.7]>

> maddog@io.com (Monty Northrup) wrote:
>
> I've recently been exploring the value of using Spice Simulation
> programs for developing RF circuits.
>
> But I've had lots of unhappy results with simulating oscillators at HF
> frequencies (mostly 3.5 - 20 MHz). When observing the graphical
> analyses of the output of several proven Colpitts oscillator designs
> using BJTs (2N2222's), the frequency looks to be approximately as
> expected, but the waveform envelope observed over say, 1000-2000
> cycles, looks more like a badly modulated A.M. signal.

For some (high-Q) oscillators, you must allow a LOT of time for the oscillator to settle into its steady state operating condition. In PSPICE, you've gotta start at time 0 and proceed from there. But you're likely only interested in the steady-state condition (which might settle milliseconds after turn-on).

There are a few solutions.

You can set the "no-print" parameter in the .TRAN line to toss out all the data before a specified time. After that time, all voltages and currents are saved for plotting or printing. This won't take any less time to run, but will save your buffers from overflow.

The other solution is to set up one of the oscillator tank components (either L or one of the C's) with an initial condition IC=xxxxV, to "kick-start" the oscillator. If you choose an appropriate voltage (for capacitors) or current (for inductors), then the oscillator will start up well along its build-up to steady-state.

In an oscillator, don't forget to add some tank resistance to simulate finite Q of real components. This makes a big difference in your simulation.

BTW: a caveat to those looking at oscillator frequency. Because SPICE steps thru a transient analysis in discrete steps of time, you'll find that oscillator frequency will change, depending on how fine or coarse

a time-step you specify (on the .TRAN line). This is especially a problem in crystal oscillators.

Date: Fri, 29 Jan 1999 11:17:48 -0500
From: wgabriel@dukeengineering.com
To: qrp-1@Lehigh.EDU
Subject: [31363] Low Quiescent Current 8v Regulator?
Message-ID: <85256708.0059889B.00@dpinet01.dukepower.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

Does anyone know of a 7 to 8 volt regulator that has a quiescent operating current much less than a 78L08 using a similar physical package?

I am wanting to replace a 78L08 in a transceiver to lower the battery drain and yet make the change as simply as I can from a complexity standpoint. Hoping to stay with a TO-92 package.

I know about the LT1121 and LP2950 regulators that are available for 5 volts, but hoping to find an 8-volt device.

It could also be an adjustable device if done very simply -- like putting a resistor in the ground lead of a 78XX package to raise it above its rated voltage. Don't know if this can be done to a LT1121 or LP2950 offhand. The only adjustable regulator I know about right now in this arena is the LP2951 -- a 4-terminal device -- usable but it is in a DIP package.

Thanks - Watson/WB4EXW

Date: 29 Jan 1999 11:26:05 -0500
From: Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
To: qrp-1;;
Subject: [31364] Am I a brilliant programmer, or what?
Message-ID: <1999Jan29.112605-0500@[130.113.234.7]>

PIC programmers:

Think I've just convinced a PIC to do the phase-locked loop trick (with a mundane op-amp as accomplice) on an external VFO.

Looks like it can do 10Hz frequency steps and still do update rate of 1000Hz.

That requires dual-modulus PLL techniques.
Rotary quadrature encoder used to simulate tuning knob.

Just the ticket to tame wandering ceramic resonators.

Question:

Am I one-day late for the fox hunt?

Have I opened the door to the final exam room,
confident I'm 15min early, only to find the
timer shows 15 min. left?

Am I a Canadian, out in the boondocks too long?

Or have I set a new benchmark in the annals of PIC programming?

Be gentle, QRP-Ler's...my only excuse is that its FRIDAY.

DOHHH! Rotary encoders are EXPENSIVE...anyone know of
a cheap, reliable source?

He stuck in his thumb,
And pulled out a plum,
and said, "Oh, what a good boy am I!" - mother goose.

Glen VE3DNL

Date: Fri, 29 Jan 1999 08:28:20 -0800
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <wa4pjp@volstate.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [31365] Re: norcal 20 shipment
Message-ID: <110801be4ba4\$64f26700\$140a0a0a@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

It was shipped via mail.

Mike

>was the Norcal 20 mailed or shipped
>
>WA4PJP

Date: Fri, 29 Jan 1999 11:36:01 -0500
From: DNT1@daimlerchrysler.com
To: qrp-1@Lehigh.EDU
Subject: [31366] FOX: Silent fox, slippery fox!
Message-ID: <05256708.005B34E4.00@lmgodd02.notes.chrysler.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

Various & sundry individuals wrote:

> Band condx here in SW Florida were poor for the hunt this evening. Didn't
> hear a hound until about 0335 Z. Then they were up and down; maybe slow
> QSB? Took few minutes to zero beat Conrad's transmitting frequency and to
> figure out his listening pattern. Finally worked Conrad at about 0350 on my
> 3rd call. He had come up to a solid 569. K1QM, Joel in MA., had a big signal
> into SW Florida at about 0355. Signals from the northwest are weak here, but
> heard AZ. just fine. Wonder how band conditions were in other parts of the
U.S.?

I guess I was just too close to him here in North Al. to pick him up, only heard him once around 0430 or so & then he disappeared into the QRM/QRN again. I heard Tom & Joel work him, as well as a multitude of others. I guess the vertical let me skip over him!

> Finally found Conrad (The TN Elusive One) tonight, problem was the !&^%\$#^&!@!
> local S9+20 QRN that kept blanking out the entire band! It cycles almost like
> some guy in a garage using a really bad power tool, including very long pauses
> for what I imagine would be a beer break.

I don't know if it was local or if some big pay-per-view thing was on that had everyone with cable (I don't) running those darned current modulated crash-boxes! Whatever it was, it had 7.040-7.044 MHz totally at it's mercy in my neck of the woods. I don't know if I would have had enough of a clear shot at him without the noise to bag him last night, but it sure would have been nice to try!

> I'm not sure this one's even worth keeping-- just barely there for the first
> hour and then some, and an ESP contact for sure. Later, around 0430 he was
the
> strongest signal on the band, peaking S9 at times, and virtually no takers!

An ESP contact for you? No wonder I couldn't hear him! ;-) I would have to agree with you on your time for the signal peak, I looked on my notesheet & it showed him appearing at 0429 & disappearing for good at 0437. Talk about a short window of opportunity, I should have gone on to bed (considering I have to get up for work at 4:30 AM CST to go to work!) & got a bit of rest. Oh well,

sometimes you win, sometimes you loose!

72,

Don T. AI4CW QRP-L#1670 Toney, AL

Date: Fri, 29 Jan 1999 10:45:48 -0500
From: "Edward A Kwik jr" <eakwikjr@hti.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [31367] FOX: report
Message-ID: <36B1D7AC.DD46DACC@hti.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Boy the band was doing strange things last night. It took a while to find the fox. The signals were not that strong and the fox was at the low end of the fox territory. Thanks to my fox beacon, W8SFF, I was able to zero in. I could hear the fox just about all the time but there was major QSB 569 to 229 peaks and valleys. It took over an hour of calling to get Conrad to finally come back to me. Had to repeat my exchange three times and not sure if I made it or that the fox just gave up on me. He faded into the QSB so I never heard an R, QSL, or TU. I did hear him working the next hound so I think I got a pelt. Heard more CA's and AZ's last night than ever. Some of the AZ's were very loud but I am usually not on the air this late. Stayed up well past my bedtime. Thanks Mr. Fox and you hounds for another fun night.

Ed Kwik AB8DF Waterford, MI

Date: Fri, 29 Jan 1999 08:53:01 -0800
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@lehigh.edu>
Subject: [31368] Learning code comments by Chuck and Dub
Message-ID: <01be4ba7\$d505c7a0\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Thanks to Chuck and Dub for posting their opinions on learning the code. I am not an expert on learning, but I do work in the field as a teacher and a coach (which may be the purest form of the art). One thing that I have learned through the years is that if you want to learn something, go to someone who is very good at it, and ask all the questions you can think of. Chuck, Dub and Dave Yarnes are all very, very good operators and copy code with the best of them. I think that those of you who want to learn the code would do well to heed their advice. Both Chuck and Dub said the same thing. Learn by the Farnsworth method. Get on the air. Operate. Have fun. 72, Doug, KI6DS

Date: Fri, 29 Jan 1999 09:55:35 -0700
From: John Evans - N0HJ <jaevans@codenet.net>
To: qrp-l@lehigh.edu
Subject: [31369] table of rigs vs battery consumption, etc.
Message-ID: <36B1E807.9C110C9@codenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Greetings,

Does anyone remember and have the table of rigs with current draw and battery consumption?? I seem to recall that ARS had it at one time on their webpage. If you have the document or a URL, would you please send it to me??

thanks much,
john

John A. Evans, N0HJ Chief Systems Administrator
Office: (719) 528-1800 x164 Titan Software Systems
Fax: (719) 528-1888 1115 Elkton Drive, Suite 200
email: jaevans@cos.cst.titan.com Colorado Springs, CO 80907-3535

Norcal #262 QRP-L #219 QRP-ARCI #8303 NE-QRP #213 CQC #045
CQrp #15 NJ-QRP #50 AK-QRP #52 NW-QRP #454 FISTS #3184
Personal Web Page: <http://www.geocities.com/capecanaveral/9773/>

Date: Fri, 29 Jan 1999 12:03:05 EST
From: Ed Loranger <we6w@juno.com>
To: w6toy@erols.com
Cc: qrp-1@Lehigh.EDU
Subject: [31370] Re: ALC Circuit an EXTREME SUCCESS!!
Message-ID: <19990129.090300.4663.1.we6w@juno.com>

I take absolutely no credit for ALC. Where you get that? Geez, we've been using ALC loops forever in leveling a point in a rf Test.

Why do you think I have all these Detectors? To measure power? No, you put a signal into the input of a resistive (6 dB) powersplitter, one port of the splitter is you RF output, the other port goes to your detector, which has a DC output for a 0 to 1 Volt ALC Leveling input to your RF source.

Geez Mon! Geez! I take no credit for any of this stuff, man o' man. This is nothing new.

I looked at a problem, suggested that a voltage source would be more stable. I measured and reported.

I think using the diode is novel, but it could have been a low voltage ZENER and an obvious fix.

Rocks and crawling, under and all wet home from where started.

72, Ed WE6W, AR Millennium QSO's=219/2000
<http://www.qsl.net/we6w> Radio, everyday in Santa Rosa, CA
QRP-L#1068 AR#112 QRP-Z#106 ARCI:9397 Norcal#2227 QAA#006

On Fri, 29 Jan 1999 05:27:43 -0500 Bruce Muscolino <w6toy@erols.com> writes:

>Ed,

>

>I'll buy it all, except your (unintentional?) taking of credit for the
>idea. Using the ALC input to reduce power has been done for more

>years

>than I've been in QRP. The QRP ARCI has it in their archives (by rig)
>for years. Otherwise, have fun.

>

>73

>

You don't need to buy Internet access to use free Internet e-mail.

Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 29 Jan 1999 09:58:39 -0700
From: Dave Ek <ekdave@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [31371] loaner rigs: update
Message-ID: <3.0.6.32.19990129095839.0079fd00@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

Thanks to the generosity of Niel WA7SSA and Rod KA7YOU, it appears that all three responses I received to my offer to loan out one of my rigs to a newbie will be fulfilled. Way to go, guys!

Thanks also to the list members who sent me emails of support.

73 de Dave AB0GO
Colorado Springs

Date: Fri, 29 Jan 1999 13:26:08 -0500 (EST)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-l@lehigh.edu>
Subject: [31372] Re: FYBO Question
Message-ID: <Pine.LNX.3.93.990129111110.657C-1000000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 28 Jan 1999, Joe Gervais wrote:

> Report your *current* temperature at your operating
> position (in Fahrenheit if at all possible please!).

Clarification? I *do* have to have a QSO at my "lowest" temp for it to count, right? If I'm banging out CQ at -10F (when the dry ice igloo caves in on the key) but no one answers, it *doesn't* make my lowest temp -10F does it? Assuming the last temp I sent was a balmy 19F:) That's how we scored it in the past, I think.

WQ3RP, multi-op, with soup at the ready:)

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Fri, 29 Jan 1999 09:45:24 -0800 (PST)
From: Ron Stark <ku7y@dri.edu>
To: "J. W. (Dub) Thornton" <dub@oklahoma.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31373] Re: Learning Code: was Kits for New Hams, my thoughts
Message-ID: <Pine.SOL.3.96.990129092904.7165A-100000@vortex.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Dub and all,

I'd like to agree with what Dub had to say and point out this.... (Some have heard this before)

Far too many people spend far too much time complaining about "poor" code. This generally means that someone is not using a keyer or keyboard but is instead using a hand key or heaven forbid, a bug!

Hand keys, bugs, coottie keys and other such hand driven code machines don't send code automatically. All the spacing and element timing comes from the person doing the sending.

Being competent at CW covers a number of skill areas.

First is being able to copy what is being sent. This includes tapes, computers, keyers, bugs, cootties, hand keys and anything else someone might use to send their version of cw with.

If all you listen to is a computer or CD/tape and etc, you are NOT building the skills to operate in the real world.

The same goes for sending. Each device requires another skill. Some are harder than others to get but none are beyond most of us IF we are willing to work at it.

I always like to give this example.....

When you hear a couple of stations chatting and one of them is sending so badly that you can't copy him, stop and think about this..... is the station he is talking to understanding him?? If so, guess where the problem really is..... :-)

And before the question is asked, YES, I find people that I can't copy. More now that I have become used to all the keyers out there. But I see it as my problem, not theirs!

Do I send good with a bug?? Haw, just ask the poor people that have been trying to copy me in the Fox hunts! I used to send very good CW with a bug but I'm sure not one to try and imitate now! :-)

Bottom line is that copying poorly sent CW is nothing more than another step along the CW path!

And NO, I am NOT saying that sending poor CW is what you want to do. You should work hard to send good CW.

There, now I feel better. :-)

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Fri, 29 Jan 1999 09:48:02 -0800
From: "Russ Carpenter" <russ@natworld.com>
To: "QRP-L List" <qrp-l@lehigh.edu>
Subject: [31374] Reminder for the FEBRUARY SPARTAN SPRINT
Message-ID: <199901291739.JAA05280@guppy.pond.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

The February Spartan Sprint will be held on February 1 (which is our standard date--the first monday of the month). We will be operating on three bands--80, 40, and 20. Don't worry if your station is a bit obese. We commend the winners in two categories--points (the Tubby Division), and

points per pound (the Skinny Division).

If you are a newcomer to the Sprints, take a look at the introductory material at the end of this post.

1. Start at 9:00 PM EST, 8:00 CST, 7:00 MST and 6:00 PST. Finish at 11:00 PM EST, 10:00 CST, 9:00 MST and 8:00 PST.

2. The frequencies will be 3560 kHz +/-, 7040 kHz+/-, and 14060 kHz+/- . (You may operate one, two or three bands--your choice.)

3. Exchange RST, SPC (state, province or country) and power output.

4. If you choose to call CQ, use the format "CQ SP," or "CQ SP TEST."

5. You can take credit for working the same station on a second or third band.

After the contest, we invite you to use our autolog, which is part of the ARS Sojourner. Just go to www.natworld.com/ars and follow the link for "Direct access to autologs". Or you can speed things up by going directly to the Spartan Sprint autolog page at www.natworld.com/ars/ss_log.html.

If you don't have access to the web, send Russ Carpenter, AA7QU, an e-mail with your total QSOs and the total weight of your station (i.e., the combined weight of all transmitters, receivers, keys, keyers and batteries used during the Sprint). You may also include your comments from the soapbox. Russ' email address is russ@natworld.com.

We publish results for each Spartan Sprint on the Thursday following the Sprint. This may be the world's quickest contest reporting! Please send us your log as soon as possible, but in no event later than Wednesday afternoon.

The Spartan Sprint is based on a simple but stimulating concept. We are encouraging all of you to cobble together the kind of station you'd use in a portable environment--lightweight transceiver, keyer, key, and battery. Then put that turkey on the air, and participate in a two hour sprint.

All operators are invited to play, whether or not they are members of Adventure Radio Society. Even if you don't have lightweight equipment, your participation will be rewarding, both for you and the other participants. We'll report the score in two different formats--absolute scores, and points per pound of station weight. So you can get your kicks from running up a magnificent score, or achieving an remarkable ratio of points per pound.

If you're thinking about becoming a member of Adventure Radio Society, just send Richard Fisher (our membership chairman) an e-mail expressing your interest. Richard's e-mail address is KI6SN@aol.com. Membership is free, and the organization has a great group of men and women who combine their love of ham radio with their affection for the outdoors. You don't need to be a macho person; ARS welcomes people of all ages and levels of ability.

Russ Carpenter, AA7QU, Contest Manager

russ@natworld.com

Date: Fri, 29 Jan 1999 13:05:18 -0500
From: hamjoel@juno.com
To: qrp-l@lehigh.edu
Subject: [31375] PSK31... IT WORKED... IT RALLY DID
Message-ID: <19990129.130519.-140069.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

HIGH GANG

Well I sent out a cq on twenty and got w3csw Bill
then I sent out a cq and got Manfred dl8...

I also need to mention that I first downloaded the new 1.04 version of
psk31 from the home page and set the timing at 1100.... no problems

according to the help page this version is more
"user friendly" to more soundboards... so TRY THIS NEW VERSION BEFORE U
BUY A NEW SOUND CARD.....

AS I also do sstv I went ahead and got the sound blaster 64 or whatever
it's called... lots more programs worked that didn't on the other sound
card (blaster compatable... it was or so it said)

Boy is my cajun mama happy today, crawfish stew tonite baby...
joel in maine, beating the odds and the ends too....

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 29 Jan 1999 12:12:49 -0600
From: alfa33@scn.org
To: qrp-l@lehigh.edu
Subject: [31376] Re: UPS

Message-ID: <199901291313.HAA22838@smtp1.cei.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Gang,

I loaded packages for UPS one summer, so here is some advice from an old pro:

(1) Package your item so that it will withstand a drop from 8 feet onto a concrete floor.

(2) Do NOT use duct tape or masking tape anywhere on the package. This can cause the package to hang up in the delivery shutes and cause a "log jam". Any of you who have ever been inside a UPS hub/depot (AKA "The Gates of Hell") will know what I am talking about. Make that package as smooth and streamlined as possible. Heavy-Duty clear packaging tape is the best, and rarely causes any problems.

(3) If you are shipping a small item via UPS, try to package it in a larger box. The small stuff has a tendency to, literally, slip through the cracks.

(4) One label per package! Period! Print clearly (especially the STATE and ZIP code). Loaders are taught to read "backwards", starting with ZIP, then proceeding to STATE. Make sure the address label is SECURE on the package, so as to keep the label from being sheared off on its trip through the routing shutes.

(5) Try not to ship during the 3 to 4 weeks preceeding Christmas. Unless you've been there, you would not believe the volume of packages that are handled in the hub/depots during this time!!

Hope this helps!

73,

Jacob Worthington
AA4FM

Date sent: Fri, 29 Jan 1999 09:45:51 -0500 (EST)

Send reply to: jskalski@buffnet.net
From: James Skalski <jskalski@buffnet.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: Re: UPS
Originally to: patrick obrien <bkobie@webtv.net>

> Holidays are a bad time to take a package to UPS. There are very few days
> that they are closed. You picked some of them. They will then take 5
> *business* days to deliver the package. You

-----[DELETED]-----

Date: Fri, 29 Jan 1999 07:30:33 -0500
From: Jim Lyons <lyons@canada.com>
To: pmk@juno.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [31377] Re: PSK31 How sweet it is (Non Creative labs card part 3)
Message-ID: <3.0.5.32.19990129073033.00808740@mail.globalserve.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

It would be interesting to know what kind of card you do have. Is it
generic, "no name" or is it some other brand ... Yamaha, or such?

Jim Lyons, VE2KN
Montreal

At 05:31 AM 29/01/99 +0000, Patrick M Kvitkauskas wrote:
>If you have a non Creative labs sound card and are still
>interested keep reading.
>
>I don't have one but gave it a try anyway and it worked FB.
>
>

Date: Fri, 29 Jan 1999 10:20:55 -0800
From: Norm Melick <henmel@worldnet.att.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31378] Re: FireBall 40
Message-ID: <36B1FC07.CF97CB8F@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Hi Joel.

I got the same results. Still checking to see if winding the toroids may help a little. Can't find the 74AC or AS 125"s as of yet.

Mr. Heron sent me a nice post concerning the output of my FB-40 that may help you.

Hi Norm,

I'm not sure if there **is** standard for output of the FB40s ... some have been as low as yours, while others (like mine during prototyping) have been as high as 38mW. A lot depends on the particular strength of the 74LS74 driving the low pass filter. Also important is the LPF components ... I did find that if the filter components are off (wrong placement, bad values, wrong # turns, etc.), the filter pole could be too low and actually be reducing your output per its normal function.

Hope you have checked the various hints I posted on the Fireball website.

Populating the amplifier portion of the circuit board will definitely get your output power up too.

Thanks & GL!

72, George N2APB

Hope this helps. If you find the answer, please share with us.

I will.

72,
Norm/KQ6SD

Date: Fri, 29 Jan 1999 10:18:26 -0800

From: "Michael A. Gipe" <mgipe@reliablemeters.com>

To: <leinwebe@mcmail.cis.McMaster.CA>, "Low Power Amateur Radio Discussion" <qrp-

l@Lehigh.EDU>

Subject: [31379] Re: Am I a brilliant programmer, or what?

Message-ID: <132501be4bb3\$c62b2ca0\$140a0a0a@double_trouble.reliablemeters.com>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Just a few comments and questions, Glen:

>Question:

> Am I one-day late for the fox hunt?

Yes. It was last night. Be sure to show up on time next Thursday evening.

>Have I opened the door to the final exam room,
>confident I'm 15min early, only to find the
>timer shows 15 min. left?

Yes, but you still aced the test.

>Am I a Canadian, out in the boondocks too long?

Yes, and count your blessings.

And finally,

>Am I a brilliant programmer, or what?

I believe so, even if what you did wasn't new. I don't know of any other PICsters doing the same. Enjoy the accomplishment.

I do have a few questions.

Did you implement the phase detector in the PIC? If so, what kind?
How did you get the loop filter done in SW?

Did you use the internal counters for the reference and VCO dividers?
How did you implement a dual-modulus count?

VCO frequency?

Details!

On rotary encoders: The best price/performance is the HP HRPG series

of Panel mount optical encoders. I think they go for around \$10.00 and have excellent resolution. The drawbacks are they only work on 5 volts (not 3) and draw a ton of current (40 mA). I have spec sheets and can send copies if you need. I have been playing with the Panasonic resistive switch encoders that Digikey sells for under \$3.00. Resolution is low (24 positions per turn) and they are detented. I have found that I can carefully disassemble the encoder and remove the ratchet to achieve non-detented operation. Drag is a little high, but can be offset with a big heavy knob. Can't beat the price!

Mike K1MG

Date: Fri, 29 Jan 1999 11:32:14 -0700
From: Steve Kubisch <WW7Y@sisna.com>
To: qrp-1@lehigh.edu
Subject: [31380] Re: Learning code comments by Chuck and Dub
Message-ID: <36B1FEAE.8496C593@sisna.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

A comments about learning code with Farnsworth spacing. Back when I was studing for my General 13 wpm test, I used the computer program at 13 wpm with 18wpm characters. I could easily copy this when I went to take my test. The testers used 13wpm non-Farnsworth. I failed, my brain was used to using the longer space between characters to figure out the letter. In the non-Farnsworth mode the characters more or less ran together. I went back and changed the program to non-Farnsworth and aced the test a month later. When I took the 20 wpm Extra, I had been on the air much more and had no trouble with it.

FYI and 73,

--

Steve Kubisch -WW7Y-
640 East 250 North
Centerville, Utah 84014
WW7Y@sisna.com

QRP-ARCI #8559 NorCal #258 QRP-L #94

Date: Fri, 29 Jan 1999 11:56:15 -0800
From: "Samuel A. Falvo II" <kc5tja@dolphin.openprojects.net>
To: Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
Cc: qrp-l@lehigh.edu
Subject: [31381] Re: Am I a brilliant programmer, or what?
Message-ID: <19990129115615.A28264@dolphin.openprojects.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

> Looks like it can do 10Hz frequency
> steps and still do update rate of 1000Hz.
> That requires dual-modulus PLL techniques.
> Rotary quadrature encoder used to simulate tuning
> knob.

Do you have any information sources on where one can go and fetch the algorithm to do this? I'm currently building a homebrew computer using the 65816 microprocessor myself.

> DOHHH! Rotary encoders are EXPENSIVE...anyone know of
> a cheap, reliable source?

There are usually optical rotary encoders in computer mice. Find yourself an el cheapo mouse, and rip it apart. There will be two of them inside. Now those little wheels are pretty small, so you'll have to find a way to gear down the rotary knob, to prevent 200,000 dots per inch resolution (-) Remember, those things are designed to be driven by a ball only 3/4" in diameter). They output two bit Grey encoded (read "quadrature") signals, which is what your PIC algorithm takes (based on what I've read). Just need to verify voltage levels, and you're done.

=====
KC5TJA/6 | -| TEAM DOLPHIN |-
DM13 | Samuel A. Falvo II
QRP-L #1447 | http://www.dolphin.openprojects.net:9673/
Oceanside, CA |.....

Date: Fri, 29 Jan 1999 13:45:17 -0500
From: "Mike Czuhajewski" <wa8mcq@erols.com>
To: "QRP forum" <qrp-l@lehigh.edu>

Cc: "Mike Czuhajewski" <wa8mcq@erols.com>
Subject: [31382] QRP Quarterly on the streets
Message-ID: <199901291908.0AA29535@xanadu.evi-inc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I just got my advance copies yesterday, so the regular mailings should start appearing soon. As noted earlier, this one is running late because of the change in editors, as well as some as yet unspecified problems or delays at the printer.

I remember that Monte Stark, KU7Y, the former editor, always used to say that his goal was to turn it into a 60 page journal. But along the way, during the 14 issues he pumped out, he exceeded that many times, hitting the 70's and even passing 80 once. And now George Heron, N2APB, oncoming editor, did a 94 page issue for his first one! Even if you want to consider the covers nonproductive, that still leaves a full ninety pages of meat.

Since we use full size, 8 1/2 by 11 pages, and a lot of them, it costs a lot to print and mail the QRP Quarterly so we can't afford any free samples :-). At one time we did offer to send a sample copy for \$2, but even that has long since been a money loser, and we haven't done that for some time. If interested, just go ahead and subscribe; if you don't like what you see, we'll gladly refund the balance of your subscription, something we haven't had to do in a very long time :-).

George has complained privately about the staggering amount of work it was, even with so many contributing editors feeding him material and camera ready copy, but don't forget that the first is always the worst and it will be easier and quicker after that :-). The only problem now is keeping up the flow of articles and other material, and that's where the readers and qrp-l folks come in. If anyone has an article in them, we'll be glad to talk with you and get it into print. Or if you don't think it's long enough for a full article, I can run it in my Idea Exchange column, which is a collection of shorter things.

73 and queue our pea DE WA8MCQ

Date: Fri, 29 Jan 1999 12:43:38 -0600
From: The Boices <boice@bigfoot.com>
To: qrp-l@Lehigh.EDU
Subject: [31383] Replacing ZM-1 tuning cap
Message-ID: <3.0.6.32.19990129124338.0090de50@mailbox.arn.net>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

One of the little poly tuning caps in my ZM-1 has gotten a bad spot in it's tuning range, and so I decided to replace it. I ordered what I thought was the same cap from Mouser, but upon receipt, I see that it has slightly different connections. It's small enough that I'm having a tough time trying to get capacitance readings from it to check connections.

Anyone know if this is the right cap, and if so, how do it's connections compare to the original ZM-1 caps?

And while I'm at it, what's the new Emtech URL? I tried the old Prodigy address, and it's not working any longer.

73,

Mike Boice, KW1ND
Canyon TX
QRP-L # 576

Date: Fri, 29 Jan 1999 10:55:47 -0800
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <ku7y@dri.edu>
Cc: "QRP-L list" <qrp-l@Lehigh.edu>
Subject: [31384] Re: Learning Code: was Kits for New Hams, my thoughts
Message-ID: <135e01be4bb8\$fe1865b0\$140a0a0a@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ron --

Right you are.

Last night, tuning around before the fox hunt, I heard a guy on a bug with an exaggerated swing, with dits at 50 wpm and dahs at 35. Now, I've never much liked a lot of swing, but this guy was a breeze to copy. Sounded just like music. Good word spacing, spelling. Just goes to show that not all good code has to sound like a tape machine!

There was also the time that I called CQ and a guy came back with a miserable fist. I struggled along politely and learned that he was disabled (stroke, parkinsons, -- I can't remember) and the high point

of his day was being able to get on the radio and chat. He was an interesting guy -- if I had given up on trying to copy his fist I would never have found that out.

I have the most trouble copying someone who doesn't put enough space between words. The brain wants to go from sounds directly to understanding sentences, but without word spacing, it reverts back to copying letters. But that's my problem, not his. My brain can separate out the words in continuous speech, so it should be able to do it with CW -- with enough practice.

Mike K1MG

Date: Fri, 29 Jan 1999 12:36:04 -0700
From: Bruce Kizerian <kizerian@ced.utah.edu>
To: qrp-l@Lehigh.EDU
Subject: [31385] Re: Learning Morse
Message-ID: <36B20DA4.D612BD1E@ced.utah.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The following is a shameless endorsement of CodeQuick morse learning software. I sent it to Jerry Wheeler. I do not work for Wheeler Applied Research, nor do I wish to. I received no compensation of any kind for this endorsement. I just thought you might find interesting the story of how I finally learned code. Learning code can be fun and hard work at the same time. If you are suffering too much in your efforts to get it down, try this.

Bruce kk7zz (formerly kk7zz)

Jerry,

When I originally wrote I had some doubts whether this software would really work? I've been trying to learn the code for over 40 years. It just wouldn't sink in. I've tried everything from WWII surplus training machines, to tapes, software, codepractice oscillators, buzzers, etc. I've built keys, receivers, transmitters, tapped my finger on the desk, banged my head on the wall...and...NOTHING! I am not a stupid person. It

can't be explained. I had tried and tried and tried and tried without success. So, with nothing to lose but a little time, I decided to give it a one more try.

I purchased your software on August 12, and started using it one week later. Family and work responsibilities kept me from practicing the recommended one hour per day, but I did as often as I could. On September 29 I passed the Tech Plus exams. On November 4 I took the Advanced class tests and passed again. Finally, on December 5 I successfully copied 20 WPM and earned my Extra class ticket.

Thank, so much for an outstanding product. CodeQuik is the best! Nothing

else comes close! As far as I am concerned you have no competition. If this software works for me, it will teach a tree stump to send and receive code. I am not just enthusiastic, I am elated! I recommend Code Quik every chance I get.

Thanks,

Bruce W. Kizerian KK7QP

Date: Fri, 29 Jan 1999 19:42:20 +0000
From: Ed Loranger <we6w@qsl.net>
To: qrp-l@lehigh.edu
Subject: [31386] ALC Circuit improvements.
Message-ID: <36B20F1C.73A8@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Friends, I will be attempting to figure out what the ALC current load is and make that only a small portion of the current shunting thru the diode. I am using a 1N4000 diode rated at 400 mA since that is what I have a drawer full of. <Nice preposition ending...>

I really like Bob Patten's circuit. It has proviso for windowing the ALC voltage. So if you want, you can set it from 3 to 5 watts MIN/MAX or other ranges.

The No-Load performance of my simple diode regulated voltage source was good confirmation I'm headed in

the right direction. I will next attempt a shunting current a bit higher so the performance under load is improved.

I was not happy with the simple 10 or 25 KOhm potentiometer feeding the alc circuit from a battery. The voltage changed considerably depending on the battery. This was expected so I didn't log any data.

My next shot at a final circuit will be 12 milliamps from the battery, 2 of that will go to the ALC and 10 will shunt thru the diode.

So I will make Loaded measurements with 12 Volts driving the circuit. 12Volts with 1 Kohm is 12 milliamps....So don't need to change my circuit. My assumption is 2 mA is "Guess" on what the ALC requires... We'll see.

Here's a general design procedure: [IC-730]

Determine ALC Voltage range for 1/2 to 5Watts. [-.71 to -.79]
Find ALC Current loading requirement. [??? Guess 2 mA]
ALC Shunt current = $10 \times \text{ALC_load} + \text{ALC_Load}$ = [20 + 2 mA]
Select supply voltage for ALC circuit [12 Volts]
Series Resistor = $12 / .02 = 545$ Ohms.
Determine how many diodes at 1 per .7 volts needed. [1]
Determine adjustment potentiometer: Diode_Voltage + Max_alc voltage
==> .7 - .79 = .09Volts.
==> $R = .09 / .02 = 4.5$ Ohms. (Use 10 Turn, 100 Ohm trimpot)
==> Power rating of trimpot: $.02 \times .02 \times 100 = 40$ mW. Not a prob...

So, for 12 volt ALC circuit you'd use:

1 KOhm resistor Power rated at: $I^2 R = 1/2$ Watt.

Diode rated for 50 mA or better.

PC Mount Trimpot (10 turn) with 10 Ohm or 100 Ohm max resistance.

I'll parallell another 1 Kohm for 500 Ohm series resistor and report the output power of the rig as I change the 12 Volt supply.

I have a 25 Watt dummy load so will use this in the test as the antenna.

CAVEAT: Stability costs a lot. So if you want to save on batteries, you'd be better off with a simple circuit supplying 2 or 3 mA to the rig and fuss with the potentiometer a lot.

If you want a permanent, non-intrusive ALC run off of an external

powersupply or simply tapped from the rig, this should be very stable and not require a lot of fuss.

I'll measure how stable it is and report.

Back under my rock.... -Ed

--

-Ed AR QRP Millennium QSO's=221/2000

72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA

QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Fri, 29 Jan 1999 14:41 -0500 (EST)
From: Brett Gazdzinski <Brett.Gazdzinski@mci.com>
To: QRP-l@lehigh.edu
Subject: [31387] Various issues
Message-ID: <19990129194527.VVWX8311@localHost>

Hello all QRP lovers!

Well, I've been on the list 2 days now....what a busy list!
I may not be able to stay on a list with this much volume....but
I will give it a try.

A couple of topics hit a nerve with me...

I learned the code 25 years ago by doing everything I saw in cw.
Street signs, names, addresses, ect.
Then I listened on the air for months, more so I could figure out
what all the Q signals were, and all the abbreviations.

Then I started having qso,s....I guess I got up to about 30 wpm
with a straight key, and could copy up to about that speed, then
gave it up for 15+ years.....

I thought it was a lot of fun, not a bad thing I had to do to get
a ticket....this was REAL ham radio...
REAL ham radio also meant glowing tubes, odd smells, dark rooms
late at night with an operator bent over green dials pulling in signals
from far away.....

Another thing that got MY attention was the price of some of the kits
out there.

I think its quite mad to pay \$500.00 for a new or used kit, when
you could get some real nice equipment for half that, or a fine kit
for \$50 to \$100.(cw transceiver)

I built my kw am transmitter with 2 separate modulator decks for less than what a sierra cost, and bought a kws1 complete and working for less.....I think its quite crazy to spend that kind of money for something that weighs under 100 lbs!

On the other hand, I don't mind at all paying someone for a good design. If someone does all the testing and research, searches out all the parts sources, makes manuals, advertises the rig, supports the rig, than they are entitled to a profit, even if it is mostly fun. I figure \$50.00 worth of parts and \$25 to \$50 profit is fine with me for a nice rig....\$100 worth of parts and \$400 profit is gouging.

On a related topic, I have ALWAYS lost money on ham radio. I think it is odious to make a profit at a hobby. I bought a bunch of tube sw receivers locally with the intention of giving them away to someone who is interested..... what a way to build good karma.

I have gotten some great radio buys at hamfests, from friends and regular hams, and would never buy from those resellers.

I got a like new Hallicrafters s17, like brand new for \$100.00!

A rare(so rare I cant get a manual for it) Scott receiver, model slrm, push pull 6l6 output tubes and a built in speaker, like new, \$125.00!

I sure like to home brew, and with all the info on the list, I keep thinking of making a small cw tube rig...maybe a transistor vfo kit and a 2e26, 6aq5 or 5763 output...can you do break in with a tube transmitter? Could you build a small receiver into the cabinet and make it a transceiver?(I think a tube superhet homebrew receiver is a thing of the past)

On another subject, with a list this large, I don't think its the place to go on about UPS, the job, ect....thats for rag chewing on the air! But as a new member, I don't really have a right to say. Besides, the majority rules!

Sorry about the long post.....

Brett
N2DTS

Date: Fri, 29 Jan 1999 13:50:25 -0600

From: The Boices <boice@bigfoot.com>
To: <daveb1@gateway.net>
Cc: qrp-1@Lehigh.EDU
Subject: [31388] Re: Replacing ZM-1 tuning cap
Message-ID: <3.0.6.32.19990129135025.0092ec10@mailbox.arn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Hi Mike, the address I have for Emtech is:
><http://emtech.steadynet.com/>
>
>73, Dave, KK7RE, Glendale AZ

Thanks, Dave, for the Emtech URL. Someone else asked me to forward what it was, so I'll just post it to all.

73,

Mike Boice, KW1ND
Canyon TX
QRP-L # 576

Date: Fri, 29 Jan 1999 12:53:45 -0700
From: Bruce Kizerian <kizerian@ced.utah.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31389] Re: Learning Morse
Message-ID: <36B211C9.56AE8ED@ced.utah.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Sorry thats formerly kk7qp

Bruce Kizerian wrote:

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>

> Bruce kk7zz (formerly kk7zz)
>
> Jerry,
>
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> success. So, with nothing to lose but a little time, I decided to give
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> Thank, so much for an outstanding product. CodeQuik is the best! Nothing
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> this
> software works for me, it will teach a tree stump to send and receive
> code. I am not just enthusiastic, I am elated! I recommend Code Quik
> every chance I get.
>
> Thanks,
>
> Bruce W. Kizerian KK7QP

Date: Fri, 29 Jan 1999 13:02:50 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: N7YA@aol.com, qrp-1@lehigh.edu
Subject: [31390] Re: The Heroes of Ham Radio
Message-ID: <199901292002.NAA27718@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Can't ignore an opportunity like this [g]

>>Bob Locher, W9KNI, DXer/author/antenna designer...my copy of "The Complete DXer" is in very worn condition, i must have read it a thousand times.<<

The second edition is available autographed by Bob for \$12 from Morse Express.

73

Marshall Emm

N1FN/VK5FN

n1fn@MorseX.com

Morse Express

"Everything for the Morse Enthusiast"

<http://www.MorseX.com>

(303)752-3382

--

Date: Fri, 29 Jan 1999 13:02:59 -0700 (MST)

From: Joe Gervais <vole@primenet.com>

To: qrp-1@Lehigh.EDU

Subject: [31391] Re: FYBO Question

Message-ID: <199901292002.NAA26415@usr01.primenet.com>

Howdy Folks,

Chris (N3XRV), Mr. FYBO Clam Chowder himself, wrote:

>

> Clarification? I *do* have to have a QSO at my "lowest" temp for it to
> count, right? If I'm banging out CQ at -10F (when the dry ice igloo caves
> in on the key) but no one answers, it *doesn't* make my lowest temp -10F
> does it? Assuming the last temp I sent was a balmy 19F :)

Hmmm.... That's both easy and tough to answer.

My short answer for the temperature multi is that it's based on the "coldest operating temp recorded". "Operating" means being on the air (really on the air, as in actively calling CQ and/or hunting).

So as long as you were "radioactive" when that low temp was hit, I'd say it counts. Obviously this could

be abused if someone went out of their way to do so,
but we're talkin' FYBO here, not CW SS. :-) The
cheater wins some pork rinds, not much incentive. May
well be a deterrent! ;-)

My reasoning:

If poor N0TU is out there in his snowcave with only
an SST-20, and the band dies in the waning hours as
his temp plummets from 25F to 5F, I'd feel really
guilty of the ol' man called CQ 'til his mittens
bled for no gain. The good intent was there, and
plenty of B_____ was frozen off. All goals met. :-)

Sound fair?

> WQ3RP, multi-op, with soup at the ready:)

Reminds me - gotta see if any ScQRPions want to run
NQ7RP as a multi-op for this little winter jaunt!
Can't pass up free soup! *8-)

Hey, is that Manhattan- or New England-style clam
chowder? I don't want that red junk. Give me the
N.E. stuff any day. :)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It's hard to be unhappy when you have warm feet."
- Dave, Fellow Snow Camper

FYBO Winter QRP Field Day - Feb 6th - See <www.extremezone.com/~ki7mn>

Date: Fri, 29 Jan 1999 12:02:43 -0800
From: "Radman" <radman@best.com>
To: <boice@bigfoot.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [31392] Re: Replacing ZM-1 tuning cap (INFO...)
Message-ID: <199901291959.LAA29778@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Mike et al,

Regarding replacement poly-caps for the ZM-1/ZM-2... the current Mouser poly-cap (#24TR222) is probably *not* the way to go. It's a dual section, 5-59pF & 5-141pF "tuner capacitor." I believe you're in need of a dual section 5-266 pF poly-cap. Scott, at Emtech, offers these as replacement parts for the ZM-1 & ZM-2 tuners. I believe he sells the replacements for \$3 or \$4 ea -- I'm not certain of price.

Emtech's new contact info is:

URL: <http://emtech.steadynet.com/>
email (Scott): emtech@steadynet.com

GL es 72 - Conrad Weiss - NN6CW

One of the little poly tuning caps in my ZM-1 has gotten a bad spot in it's tuning range, and so I decided to replace it. <snip>

73,

Mike Boice, KW1ND

Date: Fri, 29 Jan 99 15:00:43 EST
From: jevehar@cse.l-3com.com
To: mgipe@reliablemeters.com
Cc: qrp-1@lehigh.edu
Subject: [31393] Re: Learning Code: was Kits for New Hams, my thoughts
Message-ID: <9901292000.AA11165@train11.cse.l-3com.com>

Mike, you wrote:

<SNIP>

>
> I have the most trouble copying someone who doesn't put enough space
> between words. The brain wants to go from sounds directly to
> understanding sentences, but without word spacing, it reverts back to

> copying letters. But that's my problem, not his. My brain can
> separate out the words in continuous speech, so it should be able to
> do it with CW -- with enough practice.
>
> Mike K1MG
>

I can verify the lack of word spacing being a problem, but not to me...

Our ham club here at work ran ham license training sessions for a number of years. I was often called on for the CW training - lots of phone ops hereabouts.

Our students used both machine-generated material and some hand sending. Now I have a "reasonably* good fist even with a straight key, but several of the folks had problems copying my hand-sent code. Turns out that I was cheating on the inter-word spacing! Though I was using the "Farnsworth" technique of fast characters with wide spacing, my word spacing was not much longer than the character spacing. It was a tad humbling to say the least. But a good lesson even for an OF like me!

One thing that really helped in getting the students to be able to use code to communicate (as opposed to being able to copy well enough to pass the test) was to pair them up with a couple of keys and headphones on a shared code practice oscillator and have them "talk to each other" using only morse.

Using headphones had a dual advantage. First of all it minimized QRP from several groups practicing simultaneously in the same room and secondly it eliminated the embarrassment factor from having the whole class hear everyone's shaky fist!

We began with simply sending practice material such as words and numbers then progressed to "canned" QSO's (with all of the prosigns, abbreviations, RST's, and QTH's then finally allowing them to make up their own QSO content. The incentives were that there was a real desire on their part to communicate and they learned how to conduct a QSO under somewhat stress-free conditions.

72/73,

Joe E., N2CX

Date: Fri, 29 Jan 1999 15:11:19 -0500
From: "Ed Tanton" <n4xy@mindspring.com>
To: "QRP-L Reflector" <qrp-l@Lehigh.EDU>
Subject: [31394] K2 arrives in GA!!!

Message-ID: <005601be4bc3\$88e186e0\$01010101@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well folks... now my work is cut out for me: my K2 kit just arrived.

More later-as it progresses.

72 / 73 Ed N4XY

Ed Tanton N4XY EMAIL: n4xy@mindspring.com
189 Pioneer Trail
Marietta, GA 30068-3466 TEL: (770)579-3933

INTERESTS: *CW (99.5%) *QRP (QRP-L# 758)
*BoatAnchors *Test Equipment *Photography

~~~~~  
"Think you can, think you can't:  
either way you're right!" Henry Ford  
~~~~~

Date: Fri, 29 Jan 1999 15:11 -0500 (EST)
From: Brett Gazdzinski <Brett.Gazdzinski@mci.com>
To: The Boices <boice@bigfoot.com>, QRP-l@lehigh.edu
Subject: [31395] Re:emtech url
Message-ID: <19990129201346.HPFD5654@localhost>

Mike
the new emtech url is...
[HTTP://emtech.steadynet.com](http://emtech.steadynet.com)

Brett
N2DTS

I look at it every day till my kit arrives....

Date: Fri, 29 Jan 1999 12:34:24 -0800 (PST)
From: Ron Stark <ku7y@dri.edu>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [31396] Re: fast code
Message-ID: <Pine.SOL.3.96.990129121752.10552A-1000000@vortex.dri.edu>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

>
> I'm learning code right now, and I wonder if you could expand on that. What
> bad habits should I be trying to avoid? The list includes some other
> newbies, so it might be good to post this if you have any concrete
> suggestions.

Hi All,

I received several posts like this. (Names removed by me).

First let me say that I am NOT good with a hand key.

But at one time I was not too bad either. Many years ago.....

Let me share what the Army did to help us learn to send with our wrists instead of our fingers. I really needed this because I sent dits by "shaking" my fingers and that really does sound bad!

We had to put our sending hand fingers on a book, just as if we were going to send with the book. Tips on the book, wrist straight and elbow on the table.

Then we put the hand key UNDER our wrist with the knob just touching the underside of the wrist. Adjust this by using different size books until you get one that "feels" right for you.

Now send CW with your wrist. Don't let your fingers bounce on the book. They MUST stay in contact with that book. Your elbow MUST stay in contact with the table.

ONLY let your wrist move.

When you can send good strings of dits at around 20 wpm this way, you are well on your way to mastering the hand pump.

After we could send good CW this way they let us grab the key with our fingers!

It didn't seem hard to learn back when I was 18 yrs old but it would just about kill me now!

But it WORKS! If you "shake" your fingers when sending dits, this is how you learn to quit doing that.

Hmmmmm, maybe someone out there can come up with a little program to display our hand sent CW on the computer and we can really see how good or bad we are doing!

Like show the key up and key down durations. I think that would be nice to see!

Hope this helps at least one!

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Fri, 29 Jan 1999 15:54:18 -0500
From: Nick Franco <franco@bnl.gov>
To: qrp-l@lehigh.edu
Subject: [31397] FOX: One for Two This Week
Message-ID: <36B21FFA.6B67F37F@bnl.gov>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well after a long haul of not catching or hearing the fox, NOUR came though for me the other night. I was elated to hear the pitter-patter of fox feet dancing across my headset. I carefully and quietly cocked my ViborPlex Bug and fire off a round and then another ... then another ... wiley critter I was dealing with and there were sooo many other hunters out there in my audible range. Yeah, this fox knows what he's doing all right, duckin' and boppin' and weavin' to the rythm of CW fire. Then I let him have it with both barrels - yep - I fired off my call twice in a row and blam! Nice looking pelt too :-)) Looks good in my shack and matches the paneling too. Felt good for a change.

OK so last night the bottom fell out. I couldn't hear the fox or any of the hunters. I was scanning up and down from 7.033 to 7.050 and nutton

honey. I only got to play for the last 15 minutes of the hunt and that could have something to do with it. I was glad the Fox had a late schedule but I couldn't monopolize on it. Oh Well - at least I had one pelt for the week. That's better than the last few weeks anyway.

So after FoxHunt time I drift around listening to who may be lingering and who do you think I hear in a QSO with someone out there but good ole

"Doc" bangin away to beat the band. I could almost see the smile on his face as he gave out "QTH Bismarck, ND" to the other lucky Ham. You're amazing Doc!

have a great weekend all

Nick - kf2ph . .
QRP-L # 13

--

Nicholas J. Franco <>> BROOKHAVEN NATIONAL LABORATORY
RHIC Systems Administrator RHIC Project Building 1005
Tel: (516) 344-5467 UPTON, NY 11973-5000
Fax: (516) 344-3674 Ham Call: KF2PH
Email: nickf@bnl.gov <http://www.rhichome.bnl.gov/People/franco>

Date: Fri, 29 Jan 1999 20:56:45 +0000
From: Ed Loranger <we6w@qsl.net>
To: qrp-l@lehigh.edu
Subject: [31398] ALC Parts.
Message-ID: <36B2208D.7FAB@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Whoops! A very small error.

The diode used here is a 1N4004. A nice durable general purpose 400 Volt and 400 mA rated diode.

I think my keyboard has a problem with that number and I'd better clean it up.

Last month it was that little sequine stuck between
the N/M characters.

Well, the kids do play games on the cpu when I'm
away...

Hope this helps.

Sorry for the error.

-we6w

--

-Ed AR QRP Millennium QSO's=224/2000

72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA

QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Fri, 29 Jan 1999 13:59:54 -0700

From: "Steve/n0tu" <n0tu@webaccess.net>

To: "QRP-L" <QRP-L@lehigh.edu>

Subject: [31399] 40m ...seek help?

Message-ID: <027e01be4bca\$576582e0\$85a8a3cc@S&P.www.webaccess.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

The reason I like 40m is for her "presence".

On 40 meters I never have any problem knowing if the antenna is
connected or not. (except maybe in the middle of the day) The rest of
the time I find it amazing the amounts and types of signals I can hear
just sitting and listenning to 7040. Foreign broadcasts, S.A. & JAs
ssb, digital (?) of all kinds, beacons from afar to a few temp/beacons
that are local, CW of all sorts of fists, keyers, bugs and speeds, to
include an occasional digital swoosh of a signal moving up or down in
frequency. And oh yes, the changing of propagation that seems to give
a neat hollow-fluttery sound to signals sometimes. Not to mention
those irritating noises like electric fences, dimmer switches we
classify as QRN. But they too have their own interesting variety of
rythum and intensities . Rarely is it every boring. There's always
something making noise on 40m. On the other hand, my XYL thinks
I'm nutz and can't understand why I listen and ENJOY such
"strange background music".

hmmmm good question? Maybe I should seek help?

TU & 72/73 ...Steve/n0tu-Monument,CO
<http://www.webaccess.net/~s&p/HRindex.htm>

Date: Fri, 29 Jan 1999 14:05:40 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: Brett.Gazdzinski@mci.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31400] Re: Various issues
Message-ID: <36B1C034.442E9492@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Brett Gazdzinski wrote:

> On another subject, with a list this large, I don't think its the place
> to go on about UPS, the job, ect....thats for rag chewing on the air!
> But as a new member, I don't really have a right to say.
> Besides, the majority rules!

>

Hi Brett,

Nice post, with some good info about your ham years.

You certainly are right about the part I quoted above, though.

Welcome to the list...stick with us, and you'll see the other stuff
start to slack off.

--

72/73, de Roger, N7KT - QRP-L #62 - Zombie #006 - Mesa, AZ

Date: Fri, 29 Jan 1999 14:16:44 -0600 (EST)
From: Jim Glover <psykey@okcforum.org>
To: qrp-l@lehigh.edu
Subject: [31401] NVIS practice Sunday, epicenter: OKC
Message-ID: <199901292016.0AA17049@okcforum.org>
Content-Type: text

A friend (Mark, KD5AMB) and I will be conducting an NVIS practice
session this Sunday morning, beginning by 10:00 AM local time.
Our location will be somewhere in the Oklahoma City, Oklahoma

area. Stations within a 300 mile radius (give or take) with antennas suitable for NVIS use should be able to monitor or QSO us.

We plan to try it on 40M, and fall back to 80M if 40M doesn't seem open for NVIS. We will begin by calling CQ on SSB on 40M on a frequency around 7240 at 10:00 AM local time. If we make contacts in the NVIS range there, we'll continue operations on 40M SSB until 11:00 AM local time. Otherwise, we'll switch to 80M SSB on a frequency near 3870 at 10:30 AM local time.

CW operations will begin at 11:00 AM, and will focus on the N/T subbands, to maximize the number of people who can contact us. Again, we'll call CQ beginning at 11:00 AM local time on a frequency near 7125, and continue working 40M CW for the next hour if results are good, or switch to a frequency near 3700 in the 80M N/T subband at 11:30 AM, otherwise.

Callsigns will be WB5UDE for SSB, and either WB5UDE or KD5AMB for CW. If you hear us, please call us if you can, or if you can only monitor, we'd still appreciate a QSL (with signal report) either via email to wb5ude@qsl.net, or via snail mail to WB5UDE if you want to send a card. If you plan to have a shot at contacting us, send email if you want, and we'll try to listen for you.

For anyone not familiar with the term, NVIS stands for Near Vertical Incidence Skywave. NVIS is a technique whereby through use of "cloud warmer" antennas, and appropriate choice of frequency, reliable communications can be established within a radius of 100 to 300 miles (depending on whose figures you go by). Low dipoles (2-30 feet high) and low power work well. (Not a mistype. Antennas as low as 2 (count 'em--two) feet off the ground can be effective for NVIS communication.)

For more information, see:

<http://www.ci.san-jose.ca.us/oes/races/hfradio.htm>

<http://www.gordon.army.mil/acd/tcs/hf/2418xtr2.htm>

<http://www.wr6wr.com/Books/NVIS.html>

(If anyone knows of any reason why our frequency selections might not be the best, I wouldn't mind hearing the info. I work CW on 40 meters mostly, and don't know much about phone band usage on Sunday mornings!)

--Jim WB5UDE

Date: Fri, 29 Jan 1999 14:14:06 -0800
From: af852@rgfn.epcc.edu
To: RangerSF5@aol.com, qrp-1@lehigh.edu
Subject: [31402] Re: U.P.S WARNING
Message-ID: <36B2328C.1DDE@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I think that story is worth a complaint filing with both ICC and your state corporation commission, and maybe the state attorney general. Thanks for the warning.

--

Ray Colbert,
(also w5xe@juno.com)
El Paso, Texas (Far West Texas)

Date: Fri, 29 Jan 1999 21:24:00 +0000
From: Walt Amos <waltk8cv@surfree.com>
To: Steve Sorrell <ap036@detroit.freenet.org>
Cc: Qrp-1 Reflector <qrp-1@lehigh.edu>
Subject: [31403] WWSERS
Message-ID: <36B226F0.1B826635@surfree.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

To all those looking for the FREE qrp KIT, look no more

Oh happy dance, tippy tap tippy tap, I am the chosen one!! IT CAME, all bow down towards Royal Oak The NORCAL 20 lives !! It is here and NOW.. now where did I leave my tri-focals he he !! :-))

WARNING DISCLAIMER SEE BELOW DO NOT PANIC!

This is a JOKE post, PLEASE do not send MONEY !! Do not pass go! Do not go to jail!

Well, gee you can send MONEY if you want?

Walt k8cv

Date: Fri, 29 Jan 1999 16:29:26 -0500
From: notajock@juno.com
To: qrp-1@lehigh.edu
Subject: [31404] Kits'n such
Message-ID: <19990129.162927.-182011.0.notajock@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ok, everyone. I have not used cw in 25 years. And considering the FCC and ARRL proposals, I am not likely to refresh my memory. So, that being said, what QRP rogs and kits are available nowadats are available for 6M.

Bob WA8LSD

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 29 Jan 1999 16:50:43 -0500 (EST)
From: Robert Parks <rob3ert@vegas.infi.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Cc: Brett.Gazdzinski@mci.com
Subject: [31405] Re: Various issues
Message-ID: <199901292150.QAA08519@fh106.infi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Brett,

Welcome to the group!

Now a little of MY opinion. There are very few \$500 QRP kits around, and they are worth it IMHO. If you visit : <http://www.elecrafter.com>, for instance, you will see why the K2 costs that much and why so many of us think that it's worth it. This transceiver was designed by Wayne Burdick (and Eric Swartz). Wayne has designed a number of the most popular and successful QRP kits around, such as the NC-40, the Sierra and SST series. I seriously doubt that Wayne and Eric are making a mark-up of 400 percent

(maybe not even 40 percent). And even if they were, I don't think YOU could duplicate the unit for anywhere near their price.

There is nothing wrong with your desire to never spend more than, say, \$100 for a rig. I build a great deal of my own equipment for the same reason. HOWEVER, I do think you need to get all the facts before you condemn any of QRP's stellar providers.

As far as your opinion is concerned, it's as welcome as all others, IMHO.

Again, a hearty welcome!

72/73

Bob Parks
K6AEC (Las Vegas, NV)
QRP-L #630

P.S. I am not employed by, or in any way associated with Elecraft or any of our other fine QRP providers.

snip----

>

>Another thing that got MY attention was the price of some of the kits
>out there.

>I think its quite mad to pay \$500.00 for a new or used kit, when
>you could get some real nice equipment for half that, or a fine kit
>for \$50 to \$100.(cw transceiver)

>I built my kw am transmitter with 2 separate modulator decks
>for less than what a sierra cost, and bought a kws1 complete and working
>for less.....I think its quite crazy to spend that kind of money for
>something that weighs under 100 lbs!

>

>On the other hand, I don't mind at all paying someone for a good design.
>If someone does all the testing and research, searches out all the
>parts sources, makes manuals, advertises the rig, supports the rig,
>than they are entitled to a profit, even if it is mostly fun.
>I figure \$50.00 worth of parts and \$25 to \$50 profit is fine with
>me for a nice rig....\$100 worth of parts and \$400 profit is gouging.

>

snip----

>But as a new member, I don't really have a right to say.

>Besides, the majority rules!

>

>Sorry about the long post.....

>
>Brett
>N2DTS
>
>

Date: Fri, 29 Jan 1999 16:31:28 -0600 (CST)
From: ac5ez@webtv.net (Larry B)
To: qrp-l@Lehigh.EDU
Subject: [31406] background noise
Message-ID: <12168-36B236C0-717@mailtod-122.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)
Content-Transfer-Encoding: 7Bit

My favorite background noise for qrp cw is the exotic asian broadcast band music. Its weak and fades in and out adding a touch of the orient to the qso. Its cool.
K1zw

Date: Fri, 29 Jan 1999 14:41:23 -0800 (PST)
From: Richard Fisher <ki6sn@yahoo.com>
To: QRP-L Reflector <qrp-l@lehigh.edu>
Cc: russ@natworld.com
Subject: [31407] A Milestone: The ARS 500
Message-ID: <19990129224123.26483.rocketmail@send201.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Membership in the Adventure Radio Society this week eclipsed 500, a milestone that makes us as proud as it makes us thankful. It's a fine number, indeed.

Formed May 1, 1996 here on QRP-L, ARS in almost three years has grown into 44 states and many foreign countries.

We are extremely indebted to QRP-L's Chuck Adams, K5FO, and Jim Eshleman, N3VXI, for their support and cooperation in ARS' efforts. We do not take this mail group and the Herculean work of its

administrators for granted.

For those unfamiliar with ARS and its interests, we invite you to visit our web site: www.natworld.com/ars

While there, please browse through the January edition of The ARS Sojourner -- the monthly magazine of the Adventure Radio Society. Back issues dating to May 1998 are available in the ARS Archives. We hope you find the magazine useful and interesting. Your ideas and submissions, of course, are most welcomed.

An easy-to-use membership application is also on the web site if you'd like to join ARS. It's free. Click "Contact ARS."

To the hundreds of ARS and QRP-L members who so generously support our programs, activities and tenets, thank you so much on this most happy occasion.

Vy 72,

Richard Fisher, KI6SN
ARS membership chairman,
Executive editor, The ARS Sojourner

DO YOU YAHOO!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Fri, 29 Jan 1999 15:41:31 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: LAGESON@worldnet.att.net (Lageson's)
Cc: qrp-l@lehigh.edu
Subject: [31408] Re: FYBO...SSB??
Message-ID: <199901292241.PAA12926@usr08.primenet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

(cc: QRP-L)

Howdy Jim,

Jim (NOUR), Keeper of the FYBO Cream of Mushroom Soup, wrote:

>

> Joe, correct me if I am wrong, but I know I read in one version of the
> rules that said SSB can also be used as a mode in FYBO. The version
> on ki7mn page does not mention ssb at all.

I'm guessing the "SSB version" of the rules you read were from Contest Corral in QST? Bless their fuzzy hearts, Contest Corral tends to muddle rules on occasion (as you will all recall from the BUBBA '98 WARC bands Fiasco ;-)).

SSB was an option *last* year, and not a single SSB QSO showed up in the logs. So dropped it this year, since any SSB QSOs would likely end up being with non-QRPers (not illegal, but not the point of the event either).

All the announcements I've sent out for FYBO '99 have only specified CW QRP. If you see anything from me that says differently, please let me know ASAP. (So I can track down my Evil Twin and kill him. :)

Mind you, I (we) *strongly* support the idea of QRP operations in non-CW modes, but it just didn't seem to work well for FYBO at present.

> The wx here this weekend going to be up in the high 30's (above zero),
> hope it cools off by next weekend.

Anything below 20F is gravy. :-) Thanks for the note, and please let me know if you have any other questions.

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It's hard to be unhappy when you have warm feet."
- Dave, Fellow Snow Camper

FYBO Winter QRP Field Day - Feb 6th - See <www.extremezone.com/~ki7mn>

Date: Fri, 29 Jan 1999 17:47:35 -0500
From: "Larry H. Lyda" <wa4pjp@volstate.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [31409] Re: Learning Morse
Message-ID: <00af01be4bd9\$ffa2d340\$4b338cd1@larry>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

I know that Code may not be everyone's cup of tea. There are those who want to do away with the requirement and that's a discussion/debate that could go on for days and this is not the place to debate the issue.

I encourage the newcomers to Amateur Radio who is interested in learning the code and increasing their speed to upgrade to consider the code as a MODE OF COMMUNICATIONS---NOT AN OBSTACLE. If you take the approach that it's an obstacle to overcome, then that's exactly what it becomes. If you take the approach that it is an efficient mode of communications, which can be fun and practice by making many QSO's then the code speed will come automatically.

In life, you always have at least two choices. In learning code, obstacle or mode of communication?

73
Larry
WA4PJP

Date: Fri, 29 Jan 1999 17:22:58 -0600 (CST)

From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-1@LeHigh.EDU>
Subject: [31410] FOX: Team scores (fwd)
Message-ID: <Pine.LNX.3.95.990129170810.7545A-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

...NOUR - fox hunt #27...

The 40 mtr Fox Hunt Team Scores

...the Houston Hounds- 19.150 - hounds-> K5ZTY,W5SB,KK5LD
...the Vibro-Fox Finders - 16.600 - hounds -> WE6W,KU7Y,K2VCO,WS8D
...the Underdogs - 16.576 - hounds -> N4R0A,AB7CE,KI0II"CLEAN SWEEP!"
...the Texas Tarantulas-15.500-hounds->AB5WX,K5LN,N5TW,W5HNS"CLEAN SWEEP!"
...the Fox Nabbers - 15.065 - hounds -> K0EVZ, W0CH
...the Brass Pounders - 13.250 - hounds -> AB8DF,N1FN,KG7Y
...the Northern Lights-11.566-hounds->VE7CQK,VE6EWM,VE3FAL,VE5RC,VE2KN
...the Kentucky Porch Houndz - 9.000 - nashing teeth..
...the Swords - 7.659 - hounds -> N8VAR,N8IE
...the Team Apathy - 5.328 - hound -> AB7TT
...the Jersey Diddles - 2.991 - hound -> N2T0 <- way to go Joe!

Date: Fri, 29 Jan 1999 18:29:10 -0500
From: "Mike Czuhajewski" <wa8mcq@erols.com>
To: "QRP forum" <qrp-l@lehigh.edu>
Cc: "Mike Czuhajewski" <wa8mcq@erols.com>
Subject: [31411] TenTec Argosy II (525) for sale
Message-ID: <199901292351.SAA00138@xanadu.evi-inc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

This is not mine; this comes from the estate of former QRPer Mary Lou Brown, NM7N. I offered to put it on qrp-l, to keep it in the QRP community, and her husband (Bob Brown, NM7M, former QRPer) took me up on it. Here's the offer:

Mike,

To take you up on your offer, I'd like to post a "For Sale" notice on the QRP-L reflector, in an effort to sell the Argosy II (Ten-Tec 525). If you would be so kind, I'd really appreciate it. The text is as follows:

For Sale: Ten-Tec Argosy II (Ten-Tec 525) with digital display.

Ideal for field day and QRPing in general. 5/50 watt
rig and with power supply. Make offer, you pay UPS.
E-mail only to Bob, NM7M; bobnm7m@cnw.com

I hope this moves it out, into tender loving hands in the QRP flock.
Mary Lou had a lot of fun with it but became engrossed with DXpeditions
and it is just sitting here now, looking for a new home.

(end of mail)

Remember, reply to him, not to me.

73 and queue our pea de WA8MCQ

End of QRP-L Digest 1351
